











# Standard Blank Book

No. 67 $\frac{5}{8}$

Journals Double \$ and Cts. no Units

Cash Books " " " "

Day Books " " " "

S. E. Ledgers " " " "

D. E. Ledgers Full Page Form "

Long Day Books "

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In 150, 300 and 500 Pages

Made in U. S. A.

X 204 102-103  
and add 102-137 to books  
2. <sup>correct</sup> in proper sequence

Kelley + Smith

1126-27



Killip + Smith

N+S

FB

23216-23829 <sup>page</sup> 102-136

26455-28215 p.1-102







- 26455 *Salvia*  
 26456 *Poly podium*  
 26457 *acanth.*  
 26458 *gesner.*  
 26459 *Palicourea*  
 26460 *gesner.*  
 26461 *Bactris*  
 26462 *rub.*  
 26463 *minis.*  
 26464 *Casuarina?*  
 26465 *Peperomia*  
 26466 *gesner.*  
 26467 *Sellaginella*  
 26468 *Scunstroedtia*  
 26469 *melast.*  
 26470 *brau th*  
 26471 "mango"  
 26472 *Miconia*  
 26473 ?  
 26474 *Eupatorium* *Clibadium*  
 26475 *solan.*  
 26476 ?  
 26477 *Psychotria*  
 26478 *Piper*  
 26479 *Piper*  
 26480 *grass*  
 26481 *Clidemia*  
 26482 *melast.*  
 26483 *melast.*  
 26484 *Cordia*  
 26485 *rub. Ficus*  
 26486 *melast.*  
 26487 *Piper*  
 26488 *rub.*  
 26489 *apoc.*

- H* caudex subt.  
 or up to 6"  
*E. H.*  
*H* 1-2' cor. w. prox, pale bl.  
 dist with deeper spots in.  
*U. U.* br. br. r.; cal. pale  
 Y. with r. pubesc.  
*S* 10-12' cal. & cor. pale y.;  
 fr. deep pur.  
*H* 2-3' cor. pale y.  
*H* caudex 5-1' fr. at base of lvs;  
*H* 2-3' lvs (excl. of) 10-12';  
*S* 12-15' fr. deep r.  
*T* 12-20' lvs. gnats w.  
*T* 12-18' pet. w.  
*E. H.*  
*H* 1 woody, cal. dull o.;  
*H* slender, 2-4' cor. br. o.  
*H*  
*H*  
*S* 3-6' pet. pale y.; ant. br. y.;  
 cal. fr. deep r. to pur.  
*P. S.* b. y. pet. pale y., lighter  
 spreading, within prox.  
*T* 30-50' fr. deep pur.  
*S* 15-20' fr. deep r.  
*S* slender, fr. deep r.  
*H* 4-7' cor. u.  
*H* 2-3' cor. u.  
*S* spreading, cal. & cor. g.;  
*S* 8-12' fr. ~~fr.~~ br. r.;  
*H* 3-5' spiralled stem, cor. pale y.  
*S* 12-15' fr. br. bl.  
*S* 10-15'  
*T* 10-15'  
*T* slender  
*H* 2-4'  
*H* 1 woody, cal. deep r.; ant. & fil. w.;  
*H* 1-2' fr. br. bl.  
*S* 10-12' fr. deep pur.  
*S* 6-8' cal. p.; lvs. gnats w.;  
 young fr. p.  
*H* 1 woody, lvs. g.  
*H* 1-2'  
*S* 4-12' bran. of inf. o. p.;  
 fr. deep r.  
*S* slender, fr. br. bl.  
*T* 12-15' pubesc. faint p.  
*T* slender, fr. br. bl.  
*H* 10-15'  
*T* 15-20'

July 14 dense forest

Puerto Benmudiz 375m.

thicket along river  
e. of d. S.

d. S.

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- 26490 "barbasco" (cube) cañafi "S. <sup>see notes</sup>  
 26491 ? <sup>15-20' fr. directly from trunk</sup>  
 26492 Vittaria <sup>T. bran. elong. lvs. at ends only</sup>  
 26493 int. <sup>E. H</sup>  
 26494 "barbasco" <sup>T. 15-20' fr. q.</sup>  
 26495 fal. ? <sup>T. slender, apparently wild</sup>  
 26496 Rub. <sup>H 2-3' ~~fr. pink w. group pink w.~~</sup>  
 26497 Teramnus <sup>S 3-5' Dr. or.</sup>  
 26498 Selaginella <sup>HV Pet. light bl.</sup>  
 26499 Cecropia "unchopán" [Chunchu] <sup>H 2-4'</sup>  
 26500 ~~Rub~~ Logau. <sup>T 50-70'</sup>  
 26501 "cañafi" "barbasco" <sup>H erect Cor. tube or proe</sup>  
 26502 ? <sup>H 4-5' <sup>slender</sup> br. gr., dist.; lobes</sup>  
 26503 Miconia <sup>WV 8-3" thick</sup>  
 26504 ? <sup>S slender Yel. w, fr. black</sup>  
 26505 Hep. <sup>S slender</sup>  
 26506 ? <sup>Branch-branched Dr. light gr.</sup>  
 26507 Rub. ? Rinorea <sup>T 25-30' Dr. directly from larger branches</sup>  
 26508 Hep. <sup>On lvs of 26504</sup>  
 26509 Moss <sup>T 12-15' Dr. dull r.</sup>  
 26510 Piper <sup>S 8-12' Bush only</sup>  
 26511 Danaea <sup>Outwings</sup>  
 26512 Acanth. <sup>On dec. logs</sup>  
 26513 Piper <sup>S slender, etc.</sup>  
 26514 Rub. Nea <sup>S erect,  $\pm$  3'</sup>  
 26515 Palm <sup>H</sup>  
 26516 Zectaria <sup>H erect Lvs deep purp base</sup>  
 26517 Gesner. <sup>H  $\pm$  3' bracts light gr</sup>  
 26518 Asplenium <sup>T 12-15'</sup>  
 26519 Orchid <sup>S 10-12' Br. inf. r. w. bl, drooping</sup>  
 26520 ? <sup>T slender trunk</sup>  
 26521 ? <sup>T 6-8' Dr. r.</sup>  
 26522 Calathea <sup>H erect</sup>  
 26523 Mushroom <sup>H  $\pm$  3' Cor. or. r</sup>  
 26524 Piper <sup>EH</sup>

July 14 thickets in deserted overgrown clearing  
d. S.

15 dense forest

gr, y at margin

P.B.

{ Ph. K B-82  
Ph. S 16-19.



26525	Rub	S 5-6'	Cor. guth w
26526	Davilla	S or 2m. T. 10-12'	Rud. gr.
26527	"Cariapi", "barbasco"	WV	Stem $\pm$ 2" thick
26528	Miconia	T 15-20'	
26529	Gesner.	H rep. on forest floor	
26530	Scleria	H	
26531	Tringus	On log	Pl. sakurapi.
26532	Palu	Pl. 7-10'	Per. w
26533	Acanth.	H $\pm$ 2.5'	Br. light gr.
26534	Rub.	S slender $\pm$ 4'	Dr. or.
26535	Clidemia	H $\pm$ woody 2.5-3'	Dr. bright bl
26536	Gesner.	S 3-4'	Infl. or. - r
26537	Trichomanes	H Cr	
26538	<del>Peperomia</del> <i>canina</i>	H ter. lvs. sark w above pup. ben.	
26539	?	T 15-20'	Infl. gr. - wh
26540	Palu	T 8-10'	Infl. brown just below ground
26541	Cyperac -	H	
26542	Rub.	S	Dr. dark brsp.
26543	Polypodiace	H climbing tree trunk	
26544	Clidemia	S low 2.5-4'	Dr. bright r
26545	Asplenium	EAH	
26546	Moss	On dec. log	
26547	Moss	" "	
26548	Mysminac.?	T 15-20'	Infl. gr. - wh
26549	Adiantum	H	
26550	Cyathia	canal. 3-8'; slender TF 8' $\pm$ 1.5', br. 3'	
26551	Clidemia	H $\pm$ woody 2-3' bel. Petr.	
26552	Moss	On dec. log	
26553	?	T 15-20'	Infl. near base of trunk
26554	?	T 15-20'	
26555	Trichomanes	Rep on tree trunk	
26556	Polypodiace	E H <del>rep. on</del>	
26557	Melast.	H $\pm$ woody 1.5'	
26558	Rub.	S 5-6'	Br. infl. deep pi
26559	?	H climbing tree trunk; lvs. abnormal & etc	

July 15 dense forest

P. Bermudez



26560	? cube?	W.V.	See notes
26561	Palaeorea	T 10-12'	Br. infl-deep bi.
26562	<del>Rub. Hollinmedia</del> <sup>Armon.</sup>	T 12-15'	Br. infl-deep bi.
26563	<del>Mysorenia</del> ?	T 10-15'	Br. infl-deep bi.
26564	?	T 15-18'	Cor. cream w
26565	Philodendron	H tr	Fl. old
26566	Tectaria	H	
26567	Rub.	S 5-6'	Bract (?) deep pink
26568	Grass	H	
26569	Acauth.	H	Bract cream w
26570	Rifer	N $\pm$ 1.5'	
26571	Polypodium	H $\pm$ 1.5'	
26572	Fern	H $\pm$ 1.5'	
26573	?	T	
26574	Dryopteris	H $\pm$ 1.5'	
26575	Ricophyllum	H $\pm$ 1.5'	
26576	Philodendron	H $\pm$ 1.5'	
26577	<del>Philodendron</del>	H $\pm$ 1.5'	
26578	Philodendron	H $\pm$ 1.5'	
26579	Philodendron	H $\pm$ 1.5'	
26580	Philodendron	H $\pm$ 1.5'	
26581	Centropogon	H $\pm$ 1.5'	
26582	Psychotria	H $\pm$ 1.5'	
26583	Psychotria	H $\pm$ 1.5'	
26584	Palu	H $\pm$ 1.5'	
26585	Mushroom	H $\pm$ 1.5'	
26586	Rifer	H $\pm$ 1.5'	
26587	Orchid	H $\pm$ 1.5'	
26588	Peperomia	H $\pm$ 1.5'	
26589	Monnina	H $\pm$ 1.5'	
26590	Acauth.	H $\pm$ 1.5'	
26591	Ruellia	H $\pm$ 1.5'	
26592	Trichomanes	H $\pm$ 1.5'	
26593	Mungu	H $\pm$ 1.5'	
26594	<del>Mushroom</del> Palu	H $\pm$ 1.5'	

July 15 Dense forest

P. Bernudes

deep pink

clearing  
dense forest



- 26595 ? "Copal" <sup>Artemisia a pitched wood for canoeing</sup>  
 26596 <sup>canoeing</sup> <sup>70-90'</sup> <sup>Pl. pi.</sup>  
 26597 ? "Conapi" "Barbasco" young Pl. 2-4' high  
 26598 *Ocotea* S 8-10' Styles dark pi  
 26599 *Bauhinia* V ± woody Pet. light pi.  
 26600 *Eupatorium* H 2-3' Cor. tube light w lobes gr.  
 26601 *Acanth.* H Cor. w  
 26602 *Grass* H ± 2'  
 26603 *Ipomoea* HV Suber. rich pi lobes pale w  
 26604 *Antennaria* EH  
 26605 *Solanec?* HV Cor. rich pi, anther w  
 26606 *Cucurb.* HV Cor. light y  
 26607 *Passiflora* HV No fls  
 26608 *Brasica* "barbasco" mats H ± woody 2-6' <sup>in under shrub</sup>  
 26609 *Erythroxylon* "Coca" S 2-3' Fr. or  
 26610 *Leg.* HV Fr. woody  
 26611 *Acanth.* H ± 2' Cor. w  
 26612 ? "Conapi" "barbasco" S ± 7', stem thin bending towards tree 3' distant or  
 26613 *Palicourea* T 20-25' Br. infl. light y  
 26614 *Cecropia* "lobata" T 40-60' Tr. to 2' x 1.5'  
 26615 *Manettia* HV  
 26616 *Eupatorium* H 2-3.5' Cor. tube light gr lobes + sty light pi  
 26617 *Moss* On bank  
 26618 *Uclat.* H <sup>far fr.</sup> <sup>thence going over bemb.</sup> Pet. pale pi  
 26619 *Oxalis* HV Pet. light y  
 26620 *Ipomoea* HV Sub. green w. a. pink lobes w. pinkish or  
 26621 *Acanth.* S erect ± 3' Cor. ~~white~~ pinkish or  
 26622 *Malv.* S erect 3-5' Pet. y  
 26623 *Cyperus* H  
 26624 *Dichrocnema* H Infl. w  
 26625 *Poa* H 2-3' Cor. light bl  
 26626 *Arag.* H Ter  
 26627 *Ipomoea* HV tube light pi lobes rich pi  
 26628 *Heliotropium indicum* H Cor. pinkish bl  
 26629 *fat. ? Capparis* S 8-10' Pet. w. w.; fil. faint. dull purish brown

July 15 Dense forest

P. Bermudez

Cult. at chaera near P. Bermudez  
16 thickets

thickets

Dense forest

in abandoned chaera, ± 10 plants

± 8 plants, 2 yr. old.  
climbing to height of 25'  
dense forest

Pl K, B-81

Pl K, B-82 (left)

open clay banks of Pichu River

clearing  
thickets



- 26630 ? malp.  
 26631 *Iresine*  
 26632 *Solan.* ~~but~~ *Sipanea*  
 26633 *Asplenium*  
 +26634 *Phyllodeudra*  
 26635 ? *Solan.*  
 26636 *Peperomia*  
 26637 *Polybotria*  
 26638 ?  
 26639 *Pteris*  
 26640 *Phyllodeudra*  
 26641 ? *mb.*  
 26642 *Begonia*  
 26643 ?  
 26644 *grass*  
 26645 *Piper*  
 26646 *pet. acanth.*  
 26647 *Polypodium*  
 26648 *Melananthus*  
 26649 *Dryopteris*  
 26650 *acanth.*  
 26651 *mb. Solan.*  
 26652 *Polypodium*  
 26653 ?  
 +26654 *acanth.*  
 26655 ?  
 26656 ?  
 26657 *Peperomia?*  
 26658 *orchid*  
 26659 *melast.*  
 26660 *melast.*  
 26661 *Piper*  
 26662 ? *malp.*  
 26663 *Cucurbit.*  
 26664 ?

- H. U. pet. br. y  
 H. U. pet. gnath. w.  
 H. lvs. w.  
 H.  
 E. H. fr. deep pur.  
 S. 4-7' pet. w.; ant. y.;  
 fr. br. o.  
 E. H.  
 E. H. climbing fr. (incl. st.)  
 4-5' tree trunks 3-5' l.  
 T. 20-40' fr. p.  
 H. 3-5'  
 E. H. fr. o.  
 T. 12-15' fr. 4.  
 H. U. pet. gnath. w.;  
 S. 12-15' ant. y.  
 fr. becoming deep p.  
 H. 2-3'  
 H. slender.  
 S. 4-6' ~~tree~~ *tr.* gnath. w., ting.  
 S. 6-8' with pur. in prov.  
 E. H.  
 slender trunk, bran. pet.  
 l. elong + droop. 20-30' net p.  
 H.  
 cor. w.; lip faintly  
 H. slender lined with bl.  
 S. 3-5' fr. br. o.  
 H.  
 H. 2-3' lvs. pur.  
 H. 1-2' cor. w.  
 S. 8-12' lvs. gnath. w.  
 T. 30-40' lvs. gnath. w.;  
 fr. 4.  
 H.  
 H. ter. per. seg. w., ting. w.  
 H. deep  
 H. bran. lvs. w. + fr.  
 H. net p.  
 H. pet. w.  
 S. 10-12'  
 S. 6-8' fr. w.  
 H. U. cor. br. o.; ant. y.  
 S. 8-12' cal. cor. w., yish in;  
~~stam.~~ pet. w.; ~~st.~~

July 16 thicket

Puerto Benamudez

dense forest

ant. y.; anther + stig.; stig. o.



- 26665 *Nicotia* 20-25' fr. deep pur.  
 26666 *rub.* S slender fr. w.  
 26667 *Phyllodendron* E H  
 26668 *Phyllodendron* E H  
 26669 *acanth.* A pet. cor. w. to pale bl.  
 26670 *aroid* E H  
 26671 *aroid* H ter. spathe + spadix w.  
 26672 *Centropogon* H 1-3' cor. br. r.; stig. pur.  
 26673 *Passiflora* H. V. over old young br. g. pos.  
 26674 *Piper* S 3-5' fr. dist.  
 26675 ? S slender, pet. w.; ant. y.  
 26676 *Piperonia* E H  
 26677 *stere.* S 4-6' pet. w.; ant. y.  
 26678 *Mushroom* Stem brown, cap. or. above, y. ben.  
 26679 *Asplenium* E H  
 26680 *Mimosa* S to 7' along br. Pet. greenish w. fr. pinkish w. ant. y.  
 26681 *Cleome* H 2-3' woody herb. fls. gr.  
 26682 *Polygonum* H 2-3' Seps w.  
 26683 *Pasipha pupenovic* HV "chinchicón" [chunchu]  
 26684 *Nicotia* T 10-15' Pet. + frs. w.; fr. pi.  
 26685 *Centropogon* H 1.5-2' Cor. pi.  
 26686 *Acanth.* H Cor. w.  
 26687 *Biophytum* H Pet. cream w.  
 26688 *Acanth.* H Cor. pi. out, lobes blue in  
 26689 *grass* H  
 26690 *Tectaria* H  
 26691 *Orchid* E H  
 26692 ? "Cáñafi" "barbaro" S 3-5' 4 yr. old but cut back 25 plants  
 26693 *borag.* H cor. w.  
 26694 ? S spreading, fr. y. to w.  
 26695 *Mimosa* T spreading, 10-15'.  
 26696 *Dioclea* U. V. pet. pale bl.  
 26697 ? S spreading, pet. + ant. cr. w.  
 26698 *sedge* H on rocky beaches.  
 26699 *grass* H 5-15' h.

July 16 dense forest

Puerto Benimdy

cleaning  
d. s.

17

thickets along river

said to have blue &amp; white fl. &amp; redish fr.; fls. in rainy season.

dense forest

18

wooded banks of Pichis River, bet. P. Benimdy &amp; Calucapanas

cult. at Jumbo Pantre ("El Burifo")  
w. b. of P.R. bet. P.B. & Caluca.Pl. S. 16-25, 26  
K, B-85

Pl. S. 24-11



- 26700 *Psychotria* T fallen  
 26701 sedge H.  
 26702 grass H  
 26703 *Serjania* HU pet + sta. w.  
 26704 aroid EH spathe q.; spadix w.  
 26705 *Peperomia* EH  
 26706 aroid EH  
 26707 *Ipomoea* H. V. cor. pale pur.  
 26708 *Oxalis* H 1-3' pet y.  
 26709 ? solan. S 6-8' cor. cr. w.  
 26710 *Mimosa* T spreading, 20-30'.  
 26711 ? H remedy for sore eyes  
 26712 *Barbasco* S young plants  
 26713 *Psychotria* S slender cor. gr. w.;  
 26714 ? S 3-4' iact. fr. w.  
 26715 ? S 10-12' young fr. q.  
 26716 ? U. V. fr. br. r.  
 26717 *Palm* S 10-12' young fr. q.  
 26718 ? Caud. erect 2-4', 8-10" diam. ?  
 26719 *Rub* S 10-12' Tr. deep r.  
 26720 *Sapot. ?* S 1' Tr. deep rose  
 26721 *Rub.* T 20-25' Pet. (?) gr.  
 26722 *Palm "tenuistachya"* S 3-4' Tr. or. - r.  
 26723 *Rub.* Caud. 6-1.5' Tr. deep gr. Per. green  
 26724 *Piper* S 1.5-2' Bracts light pi.  
 26725 *Piper* S 6-8' Cor. blue  
 26726 *Lasiacis* S slender  
 26727 *Moss* S 5-8' H fr. elong.  
 26728 *Gesner.* Ordec. long  
 26729 *Mupit. ?* WV Br. bright r, cor pale y  
 26730 *Clavija* T slender Tr. y  
 26731 *Cordia* S 6-10' Cor. w  
 26732 *Rub.* T 15-20'  
 26733 ? *Mupit.* S 8-12' Pet. gr.  
 26734 *Melast.* H Bracts deep pi.  
 fr. light blue

July 19 wooded banks of Pichiro R., bet P. B. & Caluapana

20

Caluapana

Cleaning cults  
dense forest



- 26735 ? 83-4' Tr. deep r.  
 26736 *Asplenium* EN  
 26737 *Piper* H  
 26738 *Piper* S 10-15'  
 \* 26739 *Picramnia* S 5-8' fls. green  
 26740 ? H Cor. purple (faded)  
 \* 26741 *Adiantum lucidum* H  
 \* 26742 *Clavija* S erect stem 3-5'  
 26743 *Legum.* S 5-8' fls. at summit  
 26744 ? *Laur.* S 3-5' fls. 4" diam, 20-30' long. some on main tr., Cor. white summit  
 26745 *Menanthe* S 15-20' pet. rich p.; anthers y.  
 26746 *Hemitelia* I. F. caudex 1.5-2'; st. 12';  
 26747 *Miconia* S 5-7' pet. w.; fr. deep r.  
 26748 *Costus* H 17' br. deep r.; per. rich p.  
 26749 *Scleria* H  
 26750 *Piper* S 8-10'  
 26751 ? S 10-12' pet. w.  
 26752 *Phyllodendron* L H  
 26753 *Begonia* H subcau. pet. w.; anthers y.  
 26754 *Onana* H trailing up tree trunk  
 26755 *Byophytum* H  
 26756 grass H  
 \* 26757 grass H  
 26758 *Piper* S 8-10'  
 26759 rub. S erect.  
 26760 sapind. S 5-8'  
 26761 *Columnnea* S erect 7-8' fr. q. at center, c. at marg.  
 26762 *Trichanthes diversiphyllum* H ter  
 26763 *Trichanthes* E H  
 26764 *Phyllodendron* E H  
 26765 *Cucurbit.* HV  
 26766 *Rubus?* *Logan?* H 5-7' fls. or. r.  
 26767 *Piper* S 10-12' fls. or. y, white gr.  
 26768 *Sanchezia* S 8-10' br. r, cor. r  
 26769 *Leptochilus* H

July 20 Dense forest

Caluapana

wooded bank of Pichis River, Caluapana  
D. S.



- 26770 *Palum "divaricata"* Cand. 4-6' Fr. black  
 26771 Rub. H Fr. only  
 26772 *Trichomanes* H ref on  
 26773 *Peperomia* H ter  
 26774 *Melast.* H + wooly  
 26775 *Evea* S + 2' Br. scarlet  
 26776 *Selaginella* EH  
 26777 *Danaea* H  
 26778 *Myrsine* T 12-15'  
 26779 *Melast.* S 4-6' Fr. r.  
 26780 Rub H ref on ground Fr. or r.  
 26781 *Diplazium* H  
 26782 *Elaphoglossum* EH  
 26783 *Hep* Or dec. long  
 26784 *Piper* S 5-7' Fr. white  
 26785 *Dryopteris* H  
 26786 *Papanea* T 12-15'  
 26787 ? *Solanum* S Fr. gr.  
 26788 *Anthurium* EH  
 26789 *Acauth.* H. Cor. w  
 26790 *Saccoloma* H  
 26791 *Piper* S 7-9'  
 26792 *Peperomia* EH Br. r.  
 26793 ? T 12-20' Fr. r.  
 26794 *Moss* Or dec. long  
 26795 *Lug* T 80-100' Pet. pinkish w  
 26796 *Machaerium* T 80-100' Pet. light bl  
 26797 *Piper* S 10-12'  
 26798 *Asplenium* H  
 26799 *Derris* H  
 26800 *Diolena* H Fr. r.  
 26801 ? S 2'  
 26802 *Marantac.* H + 3' Cor cream w  
 26803 ? T 30-50' ? low compound  
 26804 ? S 2' T 8-10' Fr. y-g

July 20 Dense forest

Cahuapanas



- 26805 *Acauth.* H <sup>woody</sup> hel. 1 Cor. light gr.  
 26806 *Columna* H ter 0 epif.  
 26807 *Palu* Caudex 3-4' Per. w  
 26808 *Carludovica* EH  
 26809 *Carludovica* EH  
 26810 *Carludovica* EH  
 26811 *Bihai* H <sup>3-4'</sup> Br. r, y ventrally  
 26812 *Bihai* H <sup>4-5'</sup> Br. r, y at margin of leaf  
 26813 *Acauth.* H Br. light gr  
 26814 *Acauth.* H Tube w. lobes pinkish, red-dotted in  
 26815 *Acauth.* S 3-4' Br. Cor. greenish y  
 26816 *Acquith* ~~S 4-5'~~ H <sup>3-4'</sup> Cor. w  
 26817 *Stemmadenia* HV Cor. light y  
 26818 *Tournefortia selacea* S 3-4' Cor. cream w  
 26819 *Comp.* HV Throats or.  
 26820 *Passiflora cocconia* HV Pls. scarlet  
 26821 *Isom.* H <sup>2-3'</sup> Cor. w  
 26822 *Bihai* H <sup>2'</sup> See notes  
 26823 *Rondeletia* HV Cor. bright r  
 26824 *Grass* H  
 26825 *Bignon.* WV Cor. rich purp. pale  
 26826 *Combretum* S <sup>7-10'</sup> with spreading br. Cor. white r  
 26827 *Argemone* H Pet. bright y  
 26828 *Bauhinia* T <sup>10-20'</sup>  
 26829 *Solan.* S <sup>5-8'</sup> Cor. lobes gr. out, pi. tinged in; with w  
 26830 *Peperomia* EH  
 26831 *Peperomia* EN  
 26832 ? S <sup>7-10'</sup> Cor. greenish y  
 26833 *Anthurium* EH  
 26834 *Clibadium "barbaco"* S <sup>5-6'</sup> Cor. w; anther. bl fruit purplish black  
 26835 *Cordia alliodora* T <sup>15-20'</sup> Cor. pure wh.  
 26836 *Palicourea "jabonillo"* S <sup>2-3'</sup> Br. nipl. reddish pi  
 26837 ? "barbaco" roots as f. P. S <sup>3-4'</sup> Cor. rich pi  
 26838 *Ipomoea* HV Pls. 2 yrs. old  
 26839 *Clidemia* S <sup>2-4'</sup> Cor. w Pet. w

July 20 Dense Forest

Caluapanao

21 thickets

dense forest

22 wooded banks of Rio Pachitea, <sup>300 m.</sup> Puerto Victoria, <sup>Dept. Loreto</sup> Huancayo  
open bank23 wooded banks of Rio Pachitea bet. P. Victoria & P. Leguia, <sup>Dept. Huancayo</sup>

in sand

thickets

23 dense forest Puerto Lira, <sup>R. Pachitea</sup> Huancayo

24 cult. Puerto Leguia, Loreto

25 open woods, Masisea, Loreto

cult. in clearing  
open woods



- 26840 *Palicourea* <sup>resembles "cubo" and</sup> <sup>is the same "class" by native, but not a fish poison</sup> <sup>Slender</sup> S 2-3' Cor. cream w  
 26841 ? <sup>resembles "cubo" and</sup> <sup>is the same "class" by native, but not a fish poison</sup> S 4-6'  
 26842 *Psychotria* <sup>low</sup> S 2-4' Br. or  
 26843 ? Leg. ? WV  
 26844 *Brumfelsia* H  
 26845 ? T 12-15'  
 26846 *Piper* <sup>stem</sup> S 10-12'  
 26847 *Psychotria* <sup>low</sup> S 3-4' Br. w. light pink  
 26848 *Rondeletia* HV Br. light blue  
 26849 Leg. WV  
 26850 ? <sup>erect</sup> T 20' <sup>slender tr.; fr. borne on main branches</sup>  
 26851 *Passiflora corocinea* HV <sup>sep. & pet. scarlet</sup>  
 26852 *Serjania* WV Cor. w. purp., fil. dark pink  
 26853 *Serjania* WV Pet. w  
 26854 *Miconia* T 15-20' Pet. w  
 26855 *Miconia* T 15-20' Pet. w  
 26856 *Inga* T 20-25' Pet. green, fil. w  
 26857 *Eupatorium* S 8-10' Pap. whitish  
 26858 *Dioscorea* HV  
 26859 ? <sup>ad. to about 10 ft. tall</sup> <sup>Roots used to make a decoction</sup> <sup>to which roots of</sup> <sup>passiflora</sup> S 3 ft. Fr. or - r.  
 26860 *Anon.* T 8-15' Fr. light gr.  
 26861 *Cassia* <sup>low</sup> T 12-15'  
 26862 *Piper* S 10-12'  
 26863 *Solanum* <sup>erect stem</sup> S 15' Cor. w, anthers gr.  
 26864 *Inga* T 30-35' Fil. w  
 26865 ? <sup>low</sup> T 25-30' Sterile  
 26866 ? T 12-15' Pls. deep li  
 26867 Leg. T 15-20' <sup>round crown</sup> Fr. or - r.  
 26868 *Apoc.* T 25-30'  
 26869 *Cuscut.* EH <sup>succulent</sup> Cor. y-g  
 26870 *Passiflora hispida* HV <sup>all notes</sup> Cor. w  
 26871 *Inga* T 20-40' <sup>cor. greenish w.; fil. & sty. w.;</sup>  
 26872 *Solanum* T 25-30' <sup>ant. greenish y.</sup>  
 26873 *Inga* T 10-25' <sup>cor. g.; ant. w.; becoming y.</sup>  
 26874 *Anon.* T 15-20' <sup>cor. pale g.; fil. & sty. w.;</sup>  
<sup>ant. pale y.</sup>

July 25 Open woods Maricao

fr. dark gr. purp, paler dist, wh. spotted w. light. dist

27 Edge of woods

Bahuanilla 150 m.

29  
28 thickets  
clearing

Cantama 150 m.

edge wooded banks of Río Ucayali (500 ft) Ph. K. C-4



- 26875 *Ocrotanthus*  
 26876 *Cordia*  
 26877 *Ipomoea*  
 26878 *Camellia*  
 26879 *euph. (Sebastiania)*  
 26880 *Piper*  
 26881 *Strutium thur*  
 26882 *mt. apoc. ?*  
 26883 *malpigh.*  
 26884 *Acacia farnesiana*  
 26885 *Inga*  
 26886 "Cube A" "barbasco"  
 26887 *Solanum*  
 26888 *melast.*  
 26889 *Ipomoea*  
 26890 *Phyllanthus*  
 26891 *Mimosa*  
 26892 *Mimosa*  
 26893 "Cube A" "barbasco"  
 26894 *Cucurbit.*  
 26895 "Cube A" "barbasco"  
 26896 *Apoc.*  
 26897 *Piper*  
 26898 *Meriania*  
 26899 *Piper*  
 26900 *Melast.*  
 26901 *Jussiaea*  
 26902 *Miconia*  
 26903 *Philodendron*  
 26904 *Maripianthus*  
 26905 *Solanum*  
 26906 *Paspalum*  
 26907 *Sipanea*  
 26908 *Tourina*  
 26909 *Passiflora riparia*

ES on 26874

S 10-18' with cor. w.  
 S. elong. lvs. young cor. w.  
 H. U. 4-5' lvs and  
 1/2 upfl. near summit fr. br. o. r.  
 S 4-7' with  
 S. elong. lvs.  
 S 4-6'

P. S.  
 S 8-10' pet. pink w.; anth. w.

T 10-15'  
 T. low, spreading lvs.,  
 T. 6-8' slg. br. y.  
 T 50-60' cor. green w.

T slender (soil acid, no. 5)  
 T 6-9' plants 2 yrs old, about 20 plants  
 H 1-2' at base pet. + fl. pale p.; anth.

H. nels. plant. lvs. y.  
 H. U. cor. w.; plant. lvs. y.

H. pet. pink w.  
 H. straggling, fl. rich p.; anth. y.

H 1-2' fl. w.; anth. pale y.  
 H 2-3' erect (3 yrs old) ± 1200 plants  
 T 6-7' high (2... -) ± 1600 "

HV Calyx or. r. fr. light g.  
 S 7-10' main stem high climbing

S 8-10' Cor. bright y

S 8-10' Pet. bright pi.; anth. y.  
 T 10-15' with spreading rounded crown

T 10-15'  
 S 2-4' Pet, anth. pist. wh.  
 fr. black

S 6-7' S. stem at ± 1 1/2' Pet. y

S 7-9' with spreading br. fr. r.

H ter; 8' Spach. g; spach. w  
 H straggling Cor. blue, upper lip pale in.

T 12-15' Cor. bright to deep blue; anth. y.

H stems radiating from center  
 H flat on ground

T 15-20' elong. br. fr. r.  
 H Per. pink  
 HV See notes

July 29 wooded banks of Rio Ucayali, Contamana  
 edge of woods

dense woods

edge of woods

w. v. of R. U.

Aug 2 cultivated in yard (planted by section of  
 stem 1' long, cut at first  
 2" above ground, laid 1" below surface, sprouts in a week)  
 waste places (S. standing left of tree) Ph. KC-5  
 Iquito 1100m.

T ± 3' (1 yr. old) ± 1200 plants / Ranch 5 miles (S. Juan)  
 T ± 3' of branches subsc., esp. oldest / w. of Iquito. Ph. K {C-14  
 C-15  
 C-16

← waste places

in abandoned chacra, 3 mi. below Iquito  
 3 thickets Iquito

~~swampy thickets~~

clearing

swampy thickets

PC S 18-26

thickets

waste places

thickets

edge of pools

thickets



- 26910 *Heliconia*  
 26911 *Echites*  
 26912 *Pereskia*  
 26913 *Comp.*  
 26914 *Acanth.*  
 26915 *Euph.*  
 26916 *Myrt.*  
 26917 *Miconia*  
 26918 *Malpig.*  
 26919 *Rynchospora*  
 26920 *Pityrogramma*  
 26921 *Acalypha?*  
 26922 *Mimosa*  
 26923 *Visunia*  
 26924 *Miconia*  
 26925 *rub.*  
 26926 *rub.*  
 26927 *melast.*  
 26928 *melast.*  
 26929 *marant.*  
 26930 *cucurb.*  
 26931 *Evea*  
 26932 *Psychotria*  
 26933 *Miconia*  
 26934 *glauc.*  
 26935 *glauc.*  
 26936 *Miconia spicata*  
 26937 *Sellaginella*  
 26938 *Piper*  
 26939 *Cravillea*  
 26940 *Phyllodendron*  
 26941 *mass*  
 26942 *mass*  
 26943 *fungus*  
 26944 *Absoptila*

- T 15-20'  
 HV  
 S 5-6'  
 S with subse.  
 H 3-4'  
 T slender  
 S slender  
 T 10-15'  
 S 5-7'  
 H  
 H  
 N  
 T 25-30'  
 T 20-25'  
 S slender  
 S 5-6'  
 S 4-6'  
 S 8-10'  
 S 4-7'  
 S slender  
 S 3-6'  
 U. V.  
 H. U.  
 S 4-7'  
 S or slender T.  
 S 10-20'  
 T 10-15'  
 U. V.  
 S slender, erect  
 S 3-4'  
 S 4-7'  
 H  
 T slender  
 T 10-18'  
 H. U.  
 H. U.  
 on decayed log  
 " " "  
 " " "  
 T. F. caudex  $\pm$  5-6', 2" diam.; fr. (incl. st.) 6-8'

Pr. gr.

Cor. <sup>rich</sup> pi; fr. gr., pi. striped

Pet. rich pi.; anther y

Pap. w

Cor. bl.

Pet. y-g.

Pili w; anther light y  
 Pet. o style light pi.  
 Disk rich pi.

Pet. y.

Pet. w.

Pr. gr., streaked  
 with purp.Pet. w. fil. light pi  
 anther light pi.  
 cor. w.; sta. w.

cor. + fil. w.; anther y.

fr. grayish bl.

pet. + sta. w.

per. br. y.

br. br. g.; cor. pale y.

br. br. g.; cor. y.  
 lobes bordered with pur.  
 pet. grayish w.; fil. + sty. y.anther pur.  
 fr. rich p.; cor. pale y. with  
 fine p. pubescencecor. b.  
 pet. br. + sty. w.; anther y.  
 fr. r. or pur., becoming black

fr. depr.

Aug. 3 thickets

swampy thickets  
 thickets

swampy thickets

swamp.

thickets  
 clearing

woods

Iguazú



- 26945 Cuba A. "barbasco" S 2-5'  
 26946 Inga slender, buds gnats, w.  
 26947 Scleria 10-15'  
 26948 Andropogon H. 6-8' subscan.  
 26949 Melast. H. 3-4' det. pil. + sty. w.;  
 26950 Prockia? Euph. T 12-15' ant. p.; fr. black  
 26951 Bilai H 4-5' Red. y.; br. fuscous  
 26952 Securidaca Mauria S 8-15' br. q.  
 26953 Mendenia H. V. br. gnath. y.; cor. ochr. p.  
 26954 Salpicchilama volubilis H. V. fr. dull pur.  
 26955 Polybotrya H. climbing up t.t.  
 26956 Curatella T. with elong. droop. br. yach. g.  
 26957 Buddleia Verb. Aegiphila T. bran. 15-20' br. q.  
 26958 Melast. S. 2-3' spreading, cor. whitest  
 26959 ? T. 20-25' fr. dark g. ant. g. long.  
 26960 Ichuocylon H. 4-6' coarse, per. w.  
 26961 Gesner. Ect. cor. wh., lobes  
 26962 Aeph. ? S 8-10' subsc. pi. tinged in  
 26963 Metastelma H. V. with much sap; Corolla gr., corolla wh.  
 26964 Bromel. Ect. Bract. r.; per. cream-wh.  
 26965 Cassia T 15-20' Pet. y.  
 26966 Melast. S 4-5' slender, flower faint w  
 26967 Melast. S 8-12' fr. gray-blue  
 26968 Miconia W. V. Buds greenish w  
 26969 Annona T 12-15'  
 26970 Evca S 4-5' Bract. bright r.  
 26971 Melast. S 8-12' cor. light y.; fr. light blue  
 26972 Securidaca Mauria S 6-10' subsc. Pet. light gr.; anther. pure w; fr. blue  
 26973 Rub. S 6-10' Pet. q. w, y at tip.  
 26974 Miconia T 15-20' Cor. wh.  
 26975 Alsophila TF 5-6' Branches inf. greenish  
 26976 Scleria H 12-18' and. ± 1 ft erect  
 26977 ? H 12-18' r.; pet. tinged pi.;  
 26978 Solanum H ± woody, 1-2' fr. 6-8'  
 26979 Leg. S Pod seeds or. r.

Aug. 3 woods (soil acid, #5) Iguiteros

also pp. 2

anther w. one side, pi. other; fr. black.



- 26980 Rut.  
 26981 Solanum  
 26982 Myrcogenia  
 26983 Rub.  
 26984 Centropogon  
 26985 Martinisia  
 26986 Rub.?  
 26987 Palm  
 26988 Psychotria "spicata"  
 26989 Cyathia  
 26990 Celastris  
 26991 Phytolacca  
 26992 Palm  
 26993 Palm  
 26994 Martinisia  
 26995 cyper.  
 26996 ?  
 26997 ?  
 26998 Nialaxis  
 26999 cyper.  
 27000 rub.  
 27001 Licania  
 27002 rub.  
 27003 Psychotria  
 27004 apex.  
 27005 myrs.  
 27006 Myrcia  
 27007 Palm (Bactris)  
 27008 Tridax  
 27009 grass  
 27010 Scleria  
 27011 Polypodium  
 27012 rub.  
 27013 Miconia  
 27014 Borenia

- S  
 T slender  
 12-15'  
 T 20-25'  
 S 12-15'  
 W V  
 Caudex  
 ± 6', lvs at apex; infl. just below.  
 H  
 Caudex 7-9'; lvs at apex; infl. just below.  
 S 8-10'  
 T 3-6'; 2" diam., semierect.  
 T slender, fr. pale o.  
 15-18'  
 H coarse, infl. uterine, ovary g.;  
 2-4' start of stig. y.  
 T caudex 6-8'; lvs. & infl. near summit. Fr. lvs. o.  
 T caudex 6-8'; lvs. & infl. near summit.  
 T trunk 5-7'; infl. just below  
 8-10' lvs. at summit.  
 H  
 T 15-20' young fr. g.  
 with long. lvs.  
 S 12-15'  
 2 per. sep. purple; g. pro. yellowish.  
 H 3 per. sep. deep pur.; lip y.  
 H  
 S 3-5'.  
 lvs. deep r. cor. nch. p.  
 fr. deep pur.; lvs. of infl. nch. p. to pur.  
 H  
 S 4-6'.  
 lvs. of infl. & lvs. nch. p. to pur.; cor.  
 S slender,  
 4-7'  
 L 20-25'  
 T 15-20'  
 18-25'  
 Caudex 8-10';  
 slender.  
 H ter  
 H  
 H  
 H  
 H  
 S slender.  
 4-7'  
 T 12-15'  
 T spreading  
 3-4'  
 H + woody

Fr. or.

Cor. w., anther y.

Fr (inf) deep pur.

Cor. w.

Cor. fr. ; stam. tube lw; anther dark g.

fr. or r.

Infl. or. - r.

Caudex 7-9'; lvs at apex; infl. just below.

Cor. y. fr. dark pur.

Fr or r. (inf?)

Caudex 3-6'; 2" diam., semierect.

fr. pale o.

infl. uterine, ovary g.;

start of stig. y.

lvs. &amp; infl. near summit. Fr. lvs. o.

lvs. &amp; infl. near summit.

trunk 5-7'; infl. just below

lvs. at summit.

young fr. g.

with long. lvs.

2 per. sep. purple; g. pro. yellowish.

3 per. sep. deep pur.; lip y.

lvs. deep r. cor. nch. p.

fr. deep pur.; lvs. of infl. nch. p. to pur.

lvs. of infl. &amp; lvs. nch. p. to pur.; cor.

cor. pale y. to w.

cor. tube green; lobes w;

anther black.

pet. &amp; fil. w.

anther y.

achenes w.

lvs. of infl. cal. and

cor. deep.

cal. pale g. p. tube; pet. w;

fil. nch. p.; anther nch. p.

cor. w.

Aug. 3 Woods

Iguazas

lvs. ± 3'

lobes paler in  
of infl. nch. p. to pur.

6 pur.; cor.

sty. p. paler at both extremities;  
back, pollen tube nch. p.



- 27015 ? *Flac.*  
 27016 *Piper*  
 27017 *Dillen.*  
 27018 *Struthanthus*  
 27019 *Psychotria*  
 27020 *Laurac.* ?  
 27021 *Lindsaya*  
 27022 *Cordia nodosa*  
 27023 *Psychotria*  
 27024 *sapot.* ?  
 27025 *Clusia*  
 27026 *Hirtella*  
 27027 *Lichsonia*  
 27028 *mb.*  
 27029 *myrsin.*  
 27030 *Silaspieria*  
 27031 *Scroph.*  
 27032 *Miconia*  
 27033 *Pithecolobium*  
 27034 *Myrsine*  
 27035 *Maepig.*  
 27036 *Polypodium*  
 27037 *Piper*  
 27038 *Scuridaca*  
 27039 ?  
 27040 *Siparuna*  
 27041 *Dioscorea* ?  
 27042 *Junc.*  
 27043 *Caribodora*  
 27044 *Myrt.*  
 27045 *Rub.*  
 27046 *Rub.*  
 27047 *Phyllanthus*  
 27048 ?  
 27049 *Xiphidium*

- S.* ~~mtt.~~ <sup>10-15'</sup> fr. g.; persistent stg. y. Aug. 3 woods  
*S.* <sup>6-8'</sup> pet. deep y.; fr. gray-green.  
*T.* <sup>15-20'</sup> *S. paras.*  
*S.* <sup>8-12'</sup>  
*T.* <sup>20-25'</sup>  
*H.*  
*S.* <sup>10-12'</sup> fr. pure w  
*S.* <sup>6-8'</sup> cor. pale y. to w.  
*T.* <sup>20-30'</sup> cal. & cor. rich, cor. lobes mtt, w. pubesc. w.;  
*T.* <sup>20-30'</sup> fil. w. ant. brown. w.;  
*T.* <sup>20-30'</sup> cal. rich y. g. p. g. pet. w.;  
*T.* <sup>18-25'</sup> fil. tube & ant. glab. w.; sty. gray.  
*T.* <sup>18-25'</sup> spreading  
*H.* spreading. fr. black  
*T.* <sup>18-25'</sup> br. of inf. rich p.  
*S.* <sup>8-15'</sup>  
*H.*  
*N.* <sup>in</sup> *New places* Cor. pure blue  
*T.* <sup>10-15'</sup> *Back only*  
*T.* <sup>25-30'</sup> *Back of g; fil. crea* w  
*T.* <sup>20-25'</sup>  
*S.* <sup>5-6'</sup>  
*H.*  
*S.* <sup>8-10'</sup>  
*S.* <sup>7-9'</sup>  
*S.* <sup>along br.</sup> Pet. pi.  
*S.* Pet. gr.  
*T.* <sup>12-15'</sup> *along br.* fr. r.  
*HV* <sup>for fleshy, Per. salm. - pi.</sup>  
*S.* <sup>6-9'</sup> Br. r., cor. y  
*T.* <sup>slender</sup> <sup>15-20'</sup> Pet. quib. w  
*S.* <sup>6-8'</sup> Cor. gr. ant. w  
*T.* <sup>slender</sup> <sup>10-12'</sup> fr. o. v. (unripe)  
*E.H.* spathe pale g.;  
*H.* <sup>ter</sup> *spadix* w  
*H.* <sup>ter</sup> *fr. deep* r.

Iquitos

swampy thickets

5 sandy woods (San Juan) Iquitos



- 27050 *Psychotria*  
 27051 ?  
 27052 *Solanum*  
 27053 *Cecropia*  
 27054 ?  
 27055 *Buddleia*  
 27056 *Siphocampylus*  
 27057 *Stenomphalus*  
 27058 grass.  
 27059 *Piper*  
 27060 *Meibomia*  
 27061 *Chibadum*  
 27062 gesner.  
 27063 *Silene*  
 27064 *Lacutera*  
 27065 *Sipanea*  
 27066 *Sipanea*  
 27067 *Piper*  
 27068 *Siphocampylus*  
 27069 *Sipanea*  
 27070 *Alsephiola*  
 27071 *Salvia*  
 27072 *Melast.*  
 27073 ~~*Sorbus*~~ *Avon.*  
 27074 *Flouya aestivans*  
 27075 *Rub.* *Viscaria*  
 27076 ? "casu"  
 27077 *Sapot.*  
 27078 *Lipocarpha*  
 27079 *Andropogon*  
 27080 *Mikania*  
 27081 *Clidemia*  
 27082 *Commelina*  
 27083 *Soracea*  
 27084 *Miconia*

- 1 15-20' fr. deep r.  
 1 15-20' pet. green. w.;  
 S 6-8' ~~pet. pale bl.~~ ant. y.  
 S slender,  
 T 10-18' young fr. g.  
 H 8-12' with cor. green. w., fl. + sty. w.  
 S elong. bran. cor. nch p., paler in;  
 H U. fl. tube w., p. dist.; ant. purple; sty. + sty. pale g.  
 H 10' 5 per. green. w. p.;  
 H 2-3' lip y.  
 S 6-8'  
 H U. all pet. w.  
 S 6-8' cor. green. y., lobes w.;  
 H ant. black; fr. black  
 H cor. br. r.  
 H 2-4' fr. green. r.  
 H fr. br. bl.  
 T 15-18'  
 T 12-15'  
 S 4-6' fr. deep r.  
 S 8-12'  
 H U. cor. nch p., paler prox.  
 T 15-18'  
 T. F. caudex 5-7'; erect; st. 4-5';  
 U. fr. 3-5' fr. deep r.  
 S slender Pet. w.; anther w, gr-stripe  
 T 3-4' fr. deep purple  
 T 20-25' tuft (?) deep purple  
 N Abundant bright green.  
 T 12-15' Cor. (?) green.  
 T 12-15' fr. w. r.  
 T 20-40' tuft. light green. black  
 T 20-40' fr. deep r.  
 N  
 N  
 W V Cor o styles green w  
 S slender Pap. w  
 H 4-6' Pet. green light pi  
 H 4-6' fr. deep pi.  
 H 4-6' Br. cream w; per. w  
 T 20-40'  
 T 25-30'

Aug. 5 sandy woods (San Juan) Iquitos

~~Solanum~~ clearing

Ph. S. 18-2

sandy woods

purple; sty. + sty. pale g.

Ph. S. 18-4

clearing  
sandy woods

Ph. S. 18-3

clearing  
sandy woods

clearing

sandy woods

clearing

sandy woods



- 27085 *Nitella* T 30-40'  
 27086 ? T  
 27087 *Melast.* S 4-7' buds y.  
 27088 *Lasiacis* HV pet. w. sp. dark pi;  
 27089 *Morae* ? T 20-30' anth. gr-w; fr.  
 27090 *Gurania* HV fr. black  
 27091 *Metastelma* NV cor. or.  
 27092 ? "sacha-barbaco" S slender corolla pink w.  
 27093 *Pasiflora hispida* HV corona wh.  
 27094 *Miconia* T 8-15' fr. light gr.  
 27095 *Solanum* H 3-4' cor. w. anth. y.  
 27096 ? "barbaco" S slender, 6' then W turning up to 20' stem 3/4" thick  
 27097 *Siphocampylus* WV cor. fr. st. tube w.  
 27098 *Cassia* T 10-15' anth. deep gr.  
 27099 *Renanthera* H coarse, inf. bracts, pale - pi. in  
 27100 ? T 15-20' per. pale or; fr. r.  
 27101 *Piper* S slender buds cream w.  
 27102 *Apoc.* WV stem closely appressed to tree trunk  
 27103 *Scleria* H 6-7' coarse  
 27104 *Mikania* H V. cor. greenish w.  
 27105 *Cucurbit.* H V. cor. pale y.  
 27106 *Triantha* H spreading & climbing, per. br. bl.;  
 27107 *Souaria* S 10-12' pet. w. young fr. g.  
 27108 *leg.* W. V. unsp. & hel. pet. pur. out, paler to y at margins and in;  
 27109 *Paspalum* H 4-6' stem pub. y., striped with red p. in. prop.; fil. tube cor. w.; an. & sty. yish (free ant. p.)  
 27110 ? H 20-30' lvs. salmag.  
 27111 *myr.* ? T 20-25' cor., sta. & stig. pale y.  
 27112 *mb.* S 4-6' br. & fr. deep pur.  
 27113 ? T 15-20' fr. deep r.  
 27114 *Triantha* H lax, 3-5' cor. w.  
 27115 *Palicourea* S 6-10' fr. dark brown.  
 27116 *acanth.* S 10-15' fr. caudex erect, about 6'.  
 27117 *Alsophila* F ter. lvs. glab., variegated w. nch p. below.  
 27118 *aroid* H ter. lvs. of inf. & br. pur. w.;  
 27119 *mb.* I. 15-25' cor. tube w., lobes pale bl.

Aug. 5 Sandy woods (San Juan) 7 quintos

purplish-black

clearing  
sandy woods  
edge of woods

sandy woods (said to be abandoned  
chaera, & planted  
± 8 yrs)

S 18-5

clearing  
sandy woods



- 27120 *Myrsine*  
 27121 *Saccolana*  
 27122 (*aur.*?)  
 27123 *leg.*  
 27124 (*morac.*?)  
 27125 *Lasiacis*  
 27126 *Cassia*  
 27127 *Cordia*  
 27128 *Psychotria*  
 27129 *Sipho campylus*  
 27130 *euph.*  
 27131 *Urvillea*  
 27132 *Hamelia*  
 27133 *Cypripis*  
 27134 *Piper*  
 27135 *Piper*  
 27136 *Dryopteris*  
 27137 ? "barbosa"  
 27138 *Rub.*  
 27139 *Anthurium*  
 27140 *Baetris*  
 27141 *Euph.*  
 27142 *Peperomia*  
 27143 *Passiflora*  
 27144 ?  
 27145 *Hirtella*  
 27146 *Grass*  
 27147 *Melast.*  
 27148 *Melast.*  
 27149 *Bignon.*  
 27150 ?  
 27151 *Lig.*  
 27152 *Passiflora guianensis*  
 27153 *Apoc.*  
 27154 *Cassia ligularis*

- H.  $\pm 2'$   
 H.  $\pm 4'$   
 T. 12-18' slender, straight trunk.  
 S. 6-12' w. fl. growing from trunk; fr. growth w.  
 T. 20-25' fr. p. seeds dangling from top of tree when ripe  
 H. V  
 T. 10-15' pet. y.  
 S. 6-8' cor. growth w.  
 S. 10-12' with elong. fr. fr. deep bl.  
 H. V cor. rich p. i. fl. tub.  
 T. 12-18' w. ant. brown  
 S. 10-12' fr. gray, directly from trunk.  
 W. V fr. g. at center, wings  
 S. 10-12' cor. o. fr.  
 H  
 S. 10-12'  
 T. 15-20' sp. deep r.  
 H  
 S. 4-6' slender, then w. v. stem  $\pm 1"$  thick  
 S. 5-7' slender Cor. growth w.  
 H. ter. Sp. gr.; spad. deep pi.  
 Can. 10-12'  
 S. 4-6' slender erect fr. g., red purp.  
 H  
 H. V Sterile  
 T. 12-15' fr. y.  
 T. 20-30'  
 H  
 S. 10-12' slender Pet. pi., pale dist.  
 H  
 W. V Pet. w, pi. - trip. purp., fil. w; anth. light gr.  
 S. 4-6' slender erect Cor. tub. w, lobes pale pi.  
 S. 6-8' fr. grayish purp.  
 S. 6-8' Pet. y  
 H. V See notes  
 S. 10-12' Cor. w.  
 H.  $\pm 2'$  w. v. tel. Pet. y

Aug. 5 sandy woods

(San Juan)

Iquitos

trunk; fr. growth w.

about 5 plants, the scandent parts + v. distant  
 (abandoned & overgrown chacra) soil very acid (#4)

cleaning  
 erect.  
 sandy woods  
 cleaning



- 27155 *Epiphyllum* EH  
 27156 *Vernonia* T 10-12' Pap. wh.  
 27157 ? Sot? Cr. w; aneth. light blue  
 27158 *Passiflora repens* "granulata" HV See notes  
 27159 ? "labasco" S 6-8', upper part of stem scandent  
 27160 *Scroph.* H spurt. Cor. pinkish blue, lobes, fr.  
 27161 *Scroph. Rub.* H " Cr. w, tinged with  
 27162 *Warburguegkya* T 12-15' Br. scarlet  
 27163 *Aristolochia* H V Fr. only  
 27164 *Centropogon* S subac. Cor. rich pi.  
 27165 *Passiflora* "n. sp." HV See notes (seeds)  
 27166 *Euph.* ? S 10-12' slender  
 27167 *Peperomia* EH Cor. green w; style  
 27168 *Mikania* HV gr; pap. w  
 27169 ? S 10-12' Pet. y, style pi.  
 27170 *Scheuchzeria* W V Br. green w  
 27171 *Palis* "aguaje" Trunk ± 15'; 2' diam. ~~inflorescence~~ fruit  
 27172 *Utricularia* H floating Cor. y  
 27173 *Nymphaea* H Pet. cream w  
 27174 *Begonia* H 4' Pet. w  
 27175 *Coccoloba* ? T 12-15' Fls. w  
 27176 *Munzaca* T 15-20' Pet. aneth. gr.  
 27177 *Heteranthera* H Fls. w  
 27178 *Miconia* S spreading; 8-12' Fr. purplish black  
 27179 *Scroph.* H Cor. tube pinkish out  
 27180 *Panicum* H wh. in; lobes light blue  
 27181 *Grass* H  
 27182 *Gesner* H ± 2' Br. pi.  
 27183 *Philodendron* CH  
 27184 *Moth.* ? T 15-20' Pet. salmon. pi.  
 27185 ? T slender 15-20' Stan. cream w  
 27186 *Palicourea* "tunela" S 8-12' Cor. cream w  
 27187 *Rub.* S 6-8' Br. upb. calyx, o. cor.  
 27188 ? T 20-25' buds an; cor. or-y  
 27189 ? *Myrt.* ? T 20-25' Sepals deep r  
 Fr. asch green

Aug. 5 Sandy woods (San Juan) Zguitos

chaona (plants ± 10 yrs)

6 yards

Zguitos

light blue

sandy woods (San Julian)

oblong, 7x5 mm., reticulate (fruit thin)

7 woods

Zguitos

petiole sheath 4-5' wide at base, ± 6' long; open swamp  
 lvs fan-shaped, cut to ± 1' from petiole, ± 6' long.

pool

"

swamp

woods

(Moron-cocha)

prox, pi. dist



27190	?	T 15-20'	Sepa y-g
27191	<i>Ixora</i>	8 or 10-15'	Buds gr.
27192	<i>Laur.</i>	T 15-20'	Pet. salmon - pi.
27193	<i>Psychotria</i>	S 10-12'	
27194	<i>Rub.</i>	S 3-4'	Br. deep. pi; cor light pi, gr. in
27195	<i>Rub.</i>	T 10-15'	
27196	<i>Scleria</i>	H	
27197	?	T 15-20'	Tr. or
27198	<i>Rub</i>	T 20-25'	Cor. w
27199	?	T 20-25'	Cor. w
27200	? <i>Leg. [unclear]</i>	S elong	
27201	<i>Ipomoea</i>	H V	Buds only
27202	<i>Casuarina</i> ?	T slender 10-12'	Impl. green y
27203	<i>Bromel.</i>	EH	Br. r.; per. y
27204	<i>Serjania</i>	WV	Pet w
27205	<i>Melast.</i>	S slender 4-6'	pet. w; ant. g. fr. purish. black.
27206	<i>Ignor.</i>	S. low, spread. 2-4'	cor. y, paler dist. & in.
27207	<i>Melast.</i>	S 3-4'	fr. black.
27208	<i>rub.</i>	S compact, rounded crum. 2-4'	cal. green, y. fr. pur.
27209	<i>Ignor.</i>	W. U. 5-8'	cor. faint br. y.; fr. + shy. paler.
27210	<i>rub.</i>	S	cor. w.
27211	<i>rub.</i>	H U.	fr. deep pur.
27212	<i>Polypodium</i>	EH	
27213	?	T 12-15'	
27214	<i>Habenaria</i>	H 6'	3 sep. g.
27215	<i>Siparuna</i>	T 12-15'	fr. deep r., paler dist.
27216	<i>Melast.</i>	T 12-15'	Pet. green w, frs w
27217	?	T 30-40'	auth. pl.
27218	<i>Oreocarpus</i>	S 27-35'	impl. y-g
27219	<i>Scleria</i>	H	Tr. black
27220	<i>Bignoni</i>	WV	Cor. bright y
27221	<i>Vismia</i>	T 30-40'	Pet. gr.
27222	<i>Mimosa</i>	S 8-12'	Tr. only
27223	<i>Melast.</i>	T 12-15'	Pet. w, faint, var. w
27224	<i>Mucuna</i>	WV	St. black, dense gr. w green w

Aug 7 woods (Moronococha) Iquitos

open swamp

~~woods~~

woods

~~woods~~

green-gr.



- 27225 rub.  
 27226 fab.  
 27227 *Sipanea*  
 27228 *Piper*  
 27229 tit.  
 27230 sapind.  
 27231 rhorac.  
 27232 gesner.  
 27233 *Passiflora*  
 27234 *Triumfetta*  
 27235 yugib.  
 27236 *Adiantum*  
 27237 *Mimosa*  
 27238 script. *acanth.*  
 27239 *Sipanea*  
 27240 titiac.  
 27241 cyperac.  
 27242 melast.  
 27243 *Sipanea*  
 27244 rub.  
 27245 *Piper*  
 27246 *Commelinac.*  
 27247 solanac.  
 27248 cyper.  
 27249 alga  
 27250 *Veronica*  
 27251 comp.  
 27252 *Bradya*  
 27253 *Commelinac.*  
 27254 *Piper*  
 27255 Inga  
 27256 *Abrotheca*  
 27257 *Holmlea*  
 27258 grass  
 27259 ?

- T 25-35' bran. of nift. & cor. rich  
 H.U. pet. pur.; fil. & sty. w.;  
 S 5-7' pet. cr. w. to y.  
 S 6-8' young fr. y.  
 S 3-4' pet. salmon p. to y.;  
 W.U. sta. y.; fr. deep r.  
 T 10-15'  
 W.U. br. deep r.; venied with g;  
 H.U. cor. pale y  
 S 5-8' pet. salmon p.; sta. y.  
 H 4-8' basal br. r. - tennd br. o.;  
 per. pale y., lip o. r.  
 H I woody below, ~~at base~~  
 H 2-4' sta. w.  
 H 2-3' upper lip w., pale prox;  
 lower lip w., marked with bl. in.  
 T 10-15' young fr. y.  
 S 8-12'  
 H 3-5' pet. w.; ant. y.  
 S 12-18' young fr. y.  
 T slender.  
 S 3-5'  
 S 10-12'  
 H spreading, per. br. bl.  
 H 3-6' cor. pale y., marked with brown in. box  
 H fil. y.; ant. grayish g. open swamp  
 H floating in stag. water  
 H cor. pale bl.  
 H 1-3' ray & florets br. y.  
 H pet. cr. w.; wings ting. w. bl.;  
 H.U. stan. ting. w. y. at base  
 H 1-3' spreading per. g.  
 S 10-12'  
 T 10-15' fil. pur. w.; ant. y.  
 T. F. caudex erect, 4-6'; stipe 34';  
 H.U. cor. pale bl.  
 H I woody, pet. pale p.  
 H 2-3'

Aug 8

woods  
thickets

(Puchaud Igrito)

18272

18273

18274

18275

18276

18277

18278

18279

18280

18281

18282

18283

18284

18285

18286

18287

18288

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18291

18292

18293

18294

18295

18296

18297

18298

18299

18300

18301

18302

18303

18304

18305

18306

woods

thickets

with bl. in.

woods

clearing  
woods

its brown in. box open swamp

thickets

woods

thickets

edge of woods







- 27295 palm.  
 27296 rub.  
 27297 malv.  
 27298 ? Alchornea  
 27299 ? flacount.  
 27300 rub. apoc.  
 27301 ? flacount.  
 27302 ? laur.  
 27303 melast.  
 27304 mag. vol.  
 27305 cyclanth.  
 27306 Piper  
 27307 melast.  
 27308 ?  
 27309 acanth.  
 27310 Phoradendron  
 27311 rub.  
 27312 liquor.  
 27313 euph.  
 27314 ?  
 27315 Dioscorea  
 27316 ?  
 27317 ? fig.  
 27318 ?  
 27319 Dichroa  
 27320 ?  
 27321 lilac?  
 27322 Selloquinella  
 27323 ?  
 27324 Piper  
 27325 Piper  
 27326 ?  
 27327 marant?  
 27328 melast.  
 27329 Solanum

caudex subt.

- T 12-15'  
 T 12-18'  
 S 12-15'  
 S 10-12' bud & fr. g.  
 T 10-15' cor. gnats. w.  
 S 10-15' stip + stig. gnats. y.  
 T 40-50' pet. w.  
 H slender, pet. w.; ant. y.  
 T 8-15'  
 caudex ± 6" fr. l. o.  
 slender,  
 T 12-15'  
 S 4-8'  
 T 12-15' buds gnats. w.  
 cor. l. o.  
 H U.  
 S 10-12' cor. l. bl.  
 fr. deep bl.  
 W. U.  
 T 15-20'  
 S 12-15'  
 H U.  
 T 20-25'  
 S 10-15' l. an. fr. l. o.  
 S depend.  
 T slender,  
 T 10-15'  
 H  
 S 12-15' fr. o. y.  
 H pale y.; pet. w.;  
 ant. trish. y.  
 H  
 H  
 T 10-12'  
 T 10-15'  
 T slender  
 T 30-40' fr. g.  
 H 2-3' seeds l. o.  
 H buds w.  
 H 2-3' cor. pale g.; ant. y.

Aug 8. woods

(Puchano) Iguitas

~~edge of woods~~dense forest  
woods

dense forest



- 27330 ?  
 27331 *Caribudonica*  
 27332 *Henitelia*  
 27333 rub.  
 27334 ?  
 27335 *Lickea*  
 27336 fab.  
 27337 *Logan* *Croton*  
 27338 *Cucurbit.*  
 27339 *Solanum*  
 27340 cypers.  
 27341 *Serjania*  
 27342 ? "chope"  
 27343 Rub.  
 27344 Rub.  
 27345 *Solanum* "coconilla"  
 27346 *Miconia* "riparillo"  
 27347 Euph.?  
 27348 Melast.  
 27349 Melast.  
 27350 Rub.  
 27351 ?  
 27352 Sapot.  
 27353 Gesner.  
 27354 Melast.  
 27355 *Mikania*  
 27356 Arac.  
 27357 *Philodendron*  
 27358 Sapot. ? *Myrsine*?  
 27359 ?  
 27360 *Cyclanthus*  
 27361 *Paspalum*  
 27362 ? *Cuba B* "sacha-barbaco"  
 27363 *Funaria*  
 27364 *Lisianthus*

- T 15-20' fr. y.  
 H climbing up tree trunks  
 T. F. caudex 4-7', erect;  
 S 10-15' fr. ± 3'  
 S 8-10' fr. fr. deep pur.  
 S. dependent. red pale pur., deeper at margins; inner deep bl.; stem deep bl., marked with deep pur. in prox.  
 H V. pet. l. y.  
 H V. cor. net p.  
 H V. cor. l. o.  
 S 8-12' pet. w.; anthers y.  
 H  
 H V.  
 T 25-30' Sap. "greasy" and used as lard. No fls.  
 S slender ± 3' fr. or - r  
 S 3-5' Cor. cream w  
 H + woody, 2.5-4' deep y; fr. r, green  
 T 10-20' Lvs used for ink  
 T slender 12-15' Pet. cream w  
 S 6-10' Pet. light pi; anthers w  
 H woody, 5-8' Pet. o. arch. w  
 S 3-4' Cor. cream w fr. pure w  
 T 15-20'  
 T 25-30' st. w  
 S erect 8-4' Calyx + cor. r  
 S spreading 8-12' Pet. pink w anthers y-g  
 W V Cor. o. arch. reddish  
 H V Pap. green w  
 H V closely appressed to tr. trunks  
 E H Spathes or. w  
 T 25-30' fr. black  
 T 25-30' Infl. pink y  
 Pl 3-4' fr. deep gr.  
 H  
 T slender 7-10' upper br. persistent  
 On log Pl. or - r  
 H coarse 4-5' Cor. light gr.

Aug 8 dense forest

(Puchano)

Iguita

woods

thicket

clearing  
thickets

9 woods

(San Juan)

clearing

not planted; roots not used for fishing [soil test: some acid, 5.] Pl. 10-15' (m.)



- 27365 *Philodendron* EH S slender Spathes gr. i. fr. light  
 27366 *Lacistema* S 10-12' coarse  
 27367 *Solanum* "cocone" N 3-5' Cor. pink w. anthers  
 27368 *Inga* "guaba" T 10-12' Pet. light pink  
 27369 ? *Cube A* "barbaco" T 4-8' upper br. pubescent Pl. 1 1/2 yr old  
 27370 *Truncus* On log Pl. wh. to flesh color  
 27371 *Rubiac* T 15-20' Cor. w  
 27372 *Xanthosoma* EH Spathes aspl. light  
 27373 *Marant.* H 2-3' Per. w  
 27374 *Arviol* "Gergousacha" H 15-20' After named after a similar gergous because of  
 27375 *Sapot.* T 15-20' Cor. pink w  
 27376 *Delapiniella calcarata* A. Br. det. Somers 1978 N forming carpets by forest floor  
 27377 *Erea* S 1-2' Br. light or  
 27378 *Vismia* T 10-15' Cor. light y  
 27379 *Bignoni.* WV Cor. rich pi  
 27380 ? *Cube A* "barbaco" T 8' then climbing caespitose to 20'  
 27381 *Cecropia* T 25-30' 30-35' tree deep pi here  
 27382 *Alternanthera* H 2-3' Infl. pink w  
 27383 *Trichomanes* H ref  
 27384 *Inga* T 30-35' Pr. lustrous  
 27385 ? "ayahuasca" WV A doctor here says this is the plant recently  
 27386 *Miconia* WV Cor. light gr. style w  
 27387 *Truma* T slender 80-15'  
 27388 *Melast.* H Pet. light pi.  
 27389 *Polypodium* EH H 2-3' Cor. tube blue out, w in  
 27390 *Scroph.* H 2-3' lobes w, blue-tinged  
 27391 *Miconia* T 25-30' Pet. pinkish wh.  
 27392 *Cassia* HV Pr. only  
 27393 *Gesner.* EH growing in small nest Cor. wh.  
 27394 *Euph.* S 10-12'  
 27395 *Heliconia* H 2-3' Cor. cream wh.  
 27396 *Melast.* S 10-15' Fr. purple-black  
 27397 *Quercus* S 10-12' Col. wh.  
 27398 *Anthurium* EH scandent Lvs. green gr  
 27399 ? S 10-12' Calyx deep or Pr. deep gr.

Aug. 9 woods

(San Juan) Iquitos

clearing

+250 plants [Boil acid #5]

Ph. K { C-11  
C-12  
C-13

woods

nothing at base or below

for clearing by fire, as fire runs along them  
this plant from tree to tree  
clearing

+75 trees

woods

Here a tea is brewed from the leaves & stem which leads to fourfold  
developed into cure for flu by Germans | dreamer | used to get drunk  
hard for curing many ills here

woods

10 (wet) woods

(island in front of) Iquitos



27400	Miconia	T 12-18'	Pet. pinkish w.
27401	Polypodium	Ext	
27402	Acacanth.	S 5-6'	Cor. pinkish-r
27403	Sapot. ? <i>Myrsine</i>	S 8-12'	Fr. r
27404	Tournefortia	H rep.	Fr. black
27405	Commelin.	HV	Per. oanth. blue
27406	Miconia	T 15-20'	Fr. dark gr; ends r-r
27407	Piper	S 3-4'	
27408	Solanum	WV	Fr. r.
27409	Tournefortia	S 2-4'	Cor. pinkish w
27410	Inga	T slender 20-25'	Pet. gr; at. tube pinkish w; file pi.
27411	Leg.	HV	Pet. cream wh
27412	Polypodium	Ext	
27413	Tournefortia	WV	Cor. wh.
27414	Apoc.	T 12-20'	sap. very milky Cor. wh.
27415	<del>Adiantum</del>	<del>Ext</del>	
27416	Euph. ?	T 25-30'	Inf. pinkish
27417	Cucurb.	HV	Cor. pinkish w
27418	Myrsine Cordia ?	T 20-25'	Cor. wh.
27419	? <i>Myrsine</i>	Ext in ants' nest	
27420	Citrus	T 12-15'	Pet. wh.
27421	Passiflora	WV	Fr. light r.; <del>ends</del>
27422	Passiflora serrata-digitata	HV	See notes
27423	Pub.	S 12-15'	Branches inf. pi.
27424	Philodendron	Ext scandent	
27425	? Cere C "mascha-barbosa"	WV stem decim. +6", climbing to tops of high trees;	
27426	Melast.	T 15-20'	
27427	Ceratopteris	H	
27428	? "huingo"	T 40-50'	fr. 1' h, used like Calabash
27429	Bignon.	WV	Cor. pinkish w.
27430	Vanilla	HV	Cor. rich pi.
27431	?	T 10-15'	app. appendages of petals cream w
27432	Piper	T slender 1" dia. S 6-8'	calyx deep pur; appendages of stamens pi. / fls. directly from trunk.
27433	Acacia	T 10-12'	Stam. bright y
27434	Melast.	T slender 10-12'	Pet. of file pi. anthers deep gr.

Aug. 10 (wet) woods (island in front of) Piquitos

clearing  
(wet) woods  
clearing  
(wet) woods

roots used for fishing, but not as strong as Cere A

clearing  
(wet) woods

clearing  
(wet) woods







- 27470 *acanth.* H cor. w.  
 27471 *acanth.* S slender 3-4' upper lip pale g. w. at mag. lobes; lower lip  
 27472 *Phyllodendron* E H  
 27473 *mus. catibui* on soil in extensive mats  
 27474 ? "Cortez de ojo medicina" - T "tall" milky cap. perianth white; petals white for  
 27475 *Clidemia* S slender 3-4' Pet. & fil. pale w; anthers  
 27476 *Siparuna* T slender 12-15', fr. dimly from trunk.  
 27477 *Philodendron* H ter. Chalk light gr. Spad. w.  
 27478 *Muhania* W V Pap. w.  
 27479 *Hyptis* H 2-3' Cor. pale pi.  
 27480 *Rynchospora* H  
 27481 *Bignonia* W V.  
 27482 *Palicourea* S 5-10' Cor. bright y.  
 27483 ? T 12-15' spreading br.  
 27484 *Ficus* S 10-12'  
 27485 *Tunga* T elong. br. Pet. greenish w. Nils. light pi.  
 27486 *Piper* T slender 12-15'  
 27487 ? "Cabe A"? "barbasco" T slender up to 3' then becoming W V 12-15' plants  
 27488 *Euph.* ? T 12-15' Buds y  
 27489 *Alsophila* ? H  
 27490 *Adiantum* N  
 27491 *Moss* On dec. logs  
 27492 *Scleria* H  
 27493 *Aposc.* W V Cor. tube light gr. lobes w, gr. tinged br.  
 27494 *Phyllanthus* ? S 10-12' spreading br.  
 27495 *Verbesina* H 2-4' woody bl. Cor. light blue  
 27496 *Lycopodium* H 1-3' Cor. y  
 27497 *Pepinoma* H ter. Pl. succ.  
 27498 *Amaranthus* H ref. Infl. wh.  
 27499 *Cassia* H  
 27500 *Pilea microphylla* H  
 27501 *Hura crepitans* "catibui" T tall Sep. very poisonous 2 bottles taken for Blanco  
 27502 "toque" S 4-5' stem for used for tea for headache or wh.  
 27503 *Tephrosia* "toque" S slender  
 27504 "Cabe A." S

Aug. 11 woods (Puchianco) Iguitas  
 w. marked with g at center; fil. + sty. pale g; ant. ywh.

~~sandy clearing~~  
~~woods (San Juan) bought for Blanco~~  
 13 woods & 9 quintos

clearing

woods

Pl S 18-29

swampy woods

base woods

clearing

14 waste places

woods Clearing

- (Huyabamba)  
 - "barbasco terana" (col. Ferry) Puerto Laguna  
 - "jacai"



*All done before  
2/1/11*

- |       |                 |  |   |
|-------|-----------------|--|---|
| 27505 | Piper           | S 8-10'                                  |   |
| 27506 | Coria obscura   | S 7-10' with<br>S. elong. br.            | cor. w.                                   |
| 27507 | Miconia         | S 8-12'                                  |   |
| 27508 | Malpigh.        | S 10-12'                                 |   |
| 27509 | Polygon.?       | H V                                      | pls. wh.                                  |
| 27510 | Inga            | T slender<br>12-15'                      | pls. wh.                                  |
| 27511 | Grass           | H 3.5-5'                                 |   |
| 27512 | Metastelma      | H V                                      | Cor. w, lobes stipul<br>dapp; corolla wh. |
| 27513 | Anon.           | T 20-25'                                 | Calyx deep r.                             |
| 27514 | Rub. ? Myrsine  | T slender<br>12-15'                      | Bracts light gr.<br>Cor. gr.              |
| 27515 | ?               | T 15-20'<br>elong. br.                   | Cor. wh.                                  |
| 27516 | ?               | S 10-12'                                 | Buds y-g                                  |
| 27517 | Mimosa          | S 8-10'<br>elong. br.                    | pls. pi.                                  |
| 27518 | Urera           | S slender<br>to 5'                       | Anth. wh.                                 |
| 27519 | Solanum.        | S with<br>to 15'                         | Fr. cr. r.                                |
| 27520 | Rub.            | S 6-8'                                   | Cor. wh.                                  |
| 27521 | Rub.            | S 6-8'                                   | Cor. wh.                                  |
| 27522 | Anon.           | T 20-25'                                 | Pet. light salmon. pi.                    |
| 27523 | Ploradendron    | S par.                                   |   |
| 27524 | ?               | T 15-20'                                 | Fr. gr.                                   |
| 27525 | Mor.            | T 15-20'                                 | Fr. gr.                                   |
| 27526 | Sorjania        | W V                                      | Buds green w                              |
| 27527 | Comp.           | S elong. br.<br>low, with<br>S. glandul. | Pap. wh.                                  |
| 27528 | Loucheocarpus   | S glandul.<br>fronds                     | Pet. rich pi.; fr. pale out               |
| 27529 | Comp.           | S elong. br.                             | Pap. wh.                                  |
| 27530 | Miconia         | T 15-20'                                 |   |
| 27531 | ?               | T 15-25'                                 | fr. deep r. to pur.                       |
| 27532 | Guattiera       | T 12-18'                                 |   |
| 27533 | Tabernaemontana | S 5-7'                                   | young cor. green w.                       |
| 27534 | Guattiera       | T 20-25'                                 |   |
| 27535 | melast.         | T slender<br>10-15'                      |   |
| 27536 | ?               | T 12-25'                                 | calyx deep r.; fr. g.                     |
| 27537 | Anthurium       | F. H.                                    |   |
| 27538 | ?               | S 10-12'                                 | fr. deep pur.                             |
| 27539 | [Solanaceae]    | H. U.                                    | cor. cr. w; tang. w. bl.;<br>ant. g.      |

Aug. 18. thickets

Politanica <sup>awayor, near  
mouth of Uc.</sup>

19 woods & banks of R. Marañon, near R. Tigre



- 27540 *Carex* ?  
 27541 *Psidium*  
 27542 *Davilla*  
 27543 ?  
 27544 *Miconia*  
 27545 ?  
 27546 *Mimosa*  
 27547 *Vernonia*  
 27548 *Davilla*  
 27549 *Hirtella americana*  
 27550 *Miconia*  
 27551 ?  
 27552 *Scleria*  
 27553 ?  
 27554 *Myrsine* ?  
 27555 *Piper*  
 27556 *Hiemalia*  
 27557 *Tetrapleura*  
 27558 ?  
 27559 *Tabernaemontana*  
 27560 *Olyra*  
 27561 *Lasiacis*  
 27562 *Buddleia*  
 27563 *Madia* ?  
 27564 *Rub.* ?  
 27565 *Cuba A?*  
 27566 *Cuba A* "barbarea"  
 27567 *Baccharis*  
 27568 *Piper*  
 27569 *Heliconia*  
 27570 ?  
 27571 ?  
 27572 *Sapot.*  
 27573 *Serjania*  
 27574 *Passiflora coccinea*

- T 12-15' Pet. yish-w; fil. w  
 T 20-25' Pet. gr. out, wh in  
 S 10-12' Fr. dark br  
 T 10-12' Fr. o. n. plat. sum  
 T 15-20' fr. light gr.  
 T 25-30' Fr. 1. dist. yish pur.  
 T 25-30' Cor. pale to deep pi.  
 S 8-12' pap. w  
 S 8-12' Stam. pi.  
 T 20-25' Pet. gr. out, w in  
 T 12-15' Cor. deep pur.  
 H 10-12' Pet. bright pl.  
 T 15-20' Achens w  
 S 8-12' Cor. cr.-wh.  
 W V Cor. o. sty w,  
 W V fr. tinged.  
 T 15-20' Fr. light gr.  
 T 15-20' Buds yish w  
 H 4-7' Cor. cr.-w. h wh  
 H V Fr. black  
 S 8-12' Fr. bright gr.  
 T 20-25' Fr. r  
 T 3-4' Apparently wild  
 T 6-12' Fr. 1. dist. yish pur.  
 S 8-12' Fr. 1. dist. yish pur.  
 S 8-10' Fr. 1. dist. yish pur.  
 H 5-7' Br. br. r., fr. y  
 W V Pet. w  
 T 15-20' Cor. gr. w  
 T 25-30' Fr. 1. dist. yish pur.  
 W V Pet. r. dist. yish pur.  
 V 10-12' Fr. 1. dist. yish pur.

Aug. 22 open woods

Yurimagua

Ph K C-27

clearing cult.  
open woodsPet. r. dist. yish pur.  
fil. purple black  
open w



27575	Nucifera	S spreading 8-15'	Fr. black
27576	Nucifera	S 8-12'	Fr. (not ripe) light or
27577	Centropogon	S elong. br. 6-8'	Cal. lobes pale
27578	?	T 15-20'	Fr. deep r
27579	Apoc.	HV	Cor. green w
27580	?	T 15-20'	
27581	Apoc.	HV	
27582	Centropogon	S elong br	Cor. pi, lobes w
27583	Aristolochia	HV	Fl. purp, gr-striated, green papp.
27584	Annanthus	N lax 3-4'	Fl. purp, w
27585	Ipomoea	HV	Cor. lobes deep pi
27586	Ichuosiphon	H 3-4'	Per. wh
27587	Polygala	H 3-4'	Pet. pale pi
27588	Piper	S slender 4-5'	
27589	Passiflora auriculata	HV	
27590	Rub.	S 3-4'	Buds green w
27591	Sipanea	S 12-15' T along br.	Fr. dull r
27592	Calathea	H 5-7' in clump	Fr. purplish br. per. light
27593	Nucifera	T 25-30'	Fr. purplish black
27594	Jacquinia	HV	Cor. wh.
27595	?	S slender	Pet. green w
27596	Nyssa	T with slender br., 10-12'	Fr. black
27597	Sapot.	T	Buds green
27598	Nucifera	T 12-15'	Fr. deep purp
27599	?	S	Cal. purplish w anther gr. w
27600	Nyct.	T slender	
27601	Bauhinia?	WV	Pet. w, faintly pi-striated
27602	Acauth.	S 2-3', slender erect	Cor. cr.-w
27603	Nucifera "sensibilis"	S low 2-3'	Fls. w, anther gr.
27604	Anthurium	H ter	S & S deep pi.
27605	?	T slender 10-12'	No fls.
27606	Apoc.	T 15-20'	Cor. w; sep. w
27607	Psychotria	T erect 15-20'	Cor. dark pi
27608	Caladium	H ter	Spathe gr prox, w dist., spat. green-pi
27609	Chlorophora	T	Inf. green

Aug 22 open woods

Yumaguas



- 27610 ? solanaceae  
 27611 ?  
 27612 Piper  
 27613 Commelina  
 27614 Solanum  
 27615 Piper  
 27616 Piper "plumiera"  
 27617 Clitellaria  
 27618 Solanum  
 27619 Piper  
 27620 hep.  
 27621 Piper  
 27622 frugus  
 27623 Tectaria  
 27624 Solanum  
 27625 Asplenium serratum  
 27626 Clitellaria "grande"  
 27627 ?  
 27628 Piper  
 27629 leg.  
 27630 acauth.  
 27631 Bilhar  
 27632 rub.  
 27633 palm.  
 27634 ?  
 27635 sapot.  
 27636 ?  
 27637 rub. Fox  
 27638 ?  
 27639 Phyllodendron  
 27640 Peperomia  
 27641 moss.  
 27642 acauth.  
 27643 rub.  
 27644 rub.

- T 15-20' pet. w.; ant. y.  
 S 12-18' pet. + fl. cr. w.;  
 ant. bl.; young fr. g.  
 S 7-10'  
 H 3-5' per. deep pur., paler  
 H 4-8' prot.; ant. y.  
 ho. pur. beneath  
 S 10-12' bran.  
 S straggling  
 T 10-15'  
 H spikes w., br. o. at base  
 1/2" spathe g. rich pur. in prox.  
 S straggling, tuft. pendent on fr. o. r.  
 S 7-12' slender stalks;  
 H 2-4'  
 on tree trunk  
 S 4-5'  
 on humus stalks cr. w.;  
 redd. o. r.  
 H 2-3' cor. w.; ant. y.  
 H ± woody  
 E H spikes dull pur.  
 E H spathe rich pur.  
 T slender, pet. & stig. cr. w.  
 S 10-12'  
 H scan. pet. rich pur.  
 H upper lip. bl., lower  
 bl. w. marked w. bl. in.  
 H 5-12' under side of lvs. pur.  
 S 1-3' br. dull r.; per. rich p.; fr. r. dust, of prox.  
 S caudex 3-5'; style 6-8'; fr. in large clusters  
 T. lvs. (incl. st.) 20-30" at base of lvs.  
 H V. dependent from trees  
 T 20-25'  
 S 10-15' fr. pale y.  
 H 2-4' fr. o.  
 T 15-20' fr. pale r.  
 E H  
 E H  
 on decayed log.  
 H 1-2'  
 S 10-12' fr. black.  
 S 3-5' fr. w.

Aug. 23 dense forest

Yurimaguas

edge of " "

dense forest

Ph. S. 72-6



- 27645 *Casiana* ?  
 27646 *lrou.*  
 27647 *palu*  
 27648 *palu.*  
 27649 ?  
 27650 *morac.*  
 27651 *lep.*  
 27652 *sepot.* "sepot"  
 27653 *Capparis*  
 27654 *Cyclanthus*  
 27655 *apoc.*  
 27656 *amaryll.*  
 27657 ? *polygon.*  
 27658 *anon?* ?  
 27659 *Piper*  
 27660 ? *Koeberlinia*  
 27661 *sepot?* "ciguels" *anon.*  
 27662 *Inga*  
 27663 *Acalypha*  
 27664 *Passiflora*  
 27665 *Ryopteris*  
 27666 ?  
 27667 ?  
 27668 *Campylocneuron*  
 27669 *sapind.*  
 27670 ?  
 27671 *Polybotrya*  
 27672 *Solanum*  
 27673 ?  
 27674 *Clusia*  
 27675 *aroid*  
 27676 *aroid*  
 27677 *Guattiera* *strobil.*  
 27678 *myrt.* ?  
 27679 *anon?*

- T. 12-15' pet. cr. w.  
 fr. pale y.  
 E.H. bracts pale p.; bran. of  
 caudex 3-6' lvs. (incl. st. 12-20')  
 fr. in clusters at base of lvs.  
 30-40' trunk erect, ± 6" diam.  
 T. infl. below lvs., in a crown at  
 S. 10-15'  
 T. 10-18'  
 on tree trunk branching only  
 up to 20' erect, at summit  
 T. trunk (above buttresses) ± 3 diam.  
 S. 3-5' tangled. ant. c. brown.  
 trunk 8-12' erect, 1/2" diam.  
 bran. of infl. o.; fr. black.  
 S. 8-15' cor. w.  
 H. all fl. parts w.  
 ex. ant. br.  
 S. 8-10' fr. f.  
 S. bran. depld.  
 T. 15-20' base of calyx r.;  
 young fr. g.  
 S. 4-6'  
 H.U. + repent. tuber used to  
 cure rheumatism  
 T. 25-40' pet. pale r.  
 fr. edible  
 T. 18-30' fl. w.; "cor." cr. w.  
 S. 4-8' sty. r.  
 H.U.  
 H. 10-15' cor. & fl. cr. w.;  
 ant. y.  
 T. 12-18'  
 E.H.  
 W.U. fr. o. r.  
 S. 12-15' fr. pale g.  
 if climbing against tr.  
 H. 2-3' ± woody cor. w.; ant. y.  
 below.  
 S. 10-12' cor. & fr. pale y.  
 T. 15-20' fr. br. y.  
 E.H. fr. deep pur.  
 E.H. spathe becoming y.  
 fr. dull g. to brown.  
 T. 15-20'  
 S. 12-15' cor. y. to g.  
 T. 12-18'

Aug. 23 dense forest Jurunaguas  
 infl. & young fr. pale g. covered with w. powder.

Ph. S. 22-8

seeds used to make buttons, etc.  
 summit; lvs. (incl. st.) 10-15'

cal. greenish y.;  
 pet. pale y.

Ph. S. 22-10  
 (base of tr.)

open woods

lvs. mottled with r.

clearing

open woods  
 thickets  
 dense forest



- 27680 rub.  
 27681 *Convolvulus?*  
 27682 *Antennaria*  
 27683 *Guatena* *Rubi?*  
 27684 *Piper*  
 27685 *?*  
 27686 *Coranth*  
 27687 *Clary*  
 27688 *Cordia "odorata"*  
 27689 *acanth*  
 27690 *acanth*  
 27691 ?  
 27692 ?  
 27693 ?  
 27694 apoc.  
 27695 rub.  
 27696 ?  
 27697 *Stryopteris*  
 27698 rub.  
 27699 rub. } same?  
 27700 rub. }  
 27701 apoc.  
 27702 ?  
 27703 ?  
 27704 ?  
 27705 *Utricularia*  
 27706 *Salvinia*  
 27707 *Ayolla*  
 27708 *Riccia?*  
 27709 *?*  
 27710 apoc. "caracuche"  
 27711 *Heliconia*  
 27712 *Morac.*  
 27713 *Pipa*  
 27714 *Cordia*

S. 12-15'  
 H. V. cor. br. y.  
 L. H. spathe + spadix  
 S. 5-8' rich pur.  
 S. 8-10'  
 S. 10-12'  
 F. S. fr. o. r.  
 slender 10-15'; fr. directly  
 T. from trunk; buds o.  
 12-15' cor. w.  
 H. 2-3' cor. tube w.;  
 lobes deep bl.  
 H. 2-3' cor. pure w.  
 S. 2-3' buds greenish w.; fr. g.  
 mature calyx x (?) r.  
 buds pale g.  
 T. 10-15' cor. greenish w.  
 S. 4-6' cor. pure w.  
 S. spreading; bran. of upl. o. r.;  
 7-12' cor. y. lobes narrow  
 S. 12-15' cor. greenish w.; fr. pale g.  
 H.  
 S. 10-12' fr. becoming black.  
 T. 10-15' bran. of upl. p., fr. p.  
 T. 10-12' bran. of upl. p.  
 T. 12-15' cor. w.  
 T. 15-20'  
 T. 12-15' fr. deep r. + g.  
 T. 12-15' buds brownish  
 H. floating in cor. y.  
 stag water  
 " "  
 " "  
 " "  
 15-20' fl. parts w.  
 S. 10-12' buds w.; sep used in  
 Compress for toothache  
 8-10' lvs. Br. r. fruit  
 to 4' lvs. infl. drooping; y. dist; per.  
 T. 12-15'  
 S. 8-12' spikes erect  
 slender  
 S. 5-7'

Aug. 23 dense forest  
 thickets  
 on fruit tree in clearing  
 dense forest

Yurumagua

gined w. deep r.  
 mature calyx x (?) nch p.

open swamp.

clearing

Y; fruit deep bl. dense forest Bto. Arturo, near Yurumagua



27715	Lantana	S 7-9'	Tr. deep pi.
27716	Acanth.	HV	Stenile
27717	Piper	S <del>10-12'</del> 8-12'	
27718	Justicia	H 1-2'	Cor. w
27719	Bauhinia	S subsc.	Pet. cr. - w
27720	Cordia	S 6-8'	Tr. r
27721	Chomelia	S 8-12'	Cor. deep y
27722	Rub.	S subsc. 8-10'	Tr. fine w
27723	Peperomia	EN	
27724	Adiantum platyphyllo	H	
27725	Adiantum	H	
27726	Piper	S 8-10'	
27727	?	T slender 12-15'	
27728	Cordia "nodosa"	S 8-12'	Tr. y
27729	Aron.	T 15-20'	
27730	Piper	S 8-10'	
27731	Marant.	H	Per. w
27732	Philodendron	EN	
27733	Arac.	EN	Sp. deep pi. Sp. light pi
27734	Fraxinus	On log	Pl. dark gray
27735	Rub.	S 12-15'	Tr. deep r.
27736	?	T 15-20'	
27737	Acanth.	HV	Stenile
27738	?	T 20-25'	Buds light gr.
27739	?	T slender	Tr. dark gr.
27740	Gesner.	S erect 4-5'	Br. pi Cor. y
27741	Acanth.	S erect 5-6'	Cor. w
27742	Rub.	T slender	Tr. w
27743	Myrsin.	S erect 8-10'	Tr. deep pink.
27744	<del>g</del> Gesner.	<del>On log 15-20'</del>	
27745	Philodendron	EN	
27746	Orchid	EN	Seg. pink - y
27747	Selaginella	H	
27748	Peperomia	N up on T 15-20'	
27749	Rub. ? Euph. ?		Pet. or. - y

Aug. 24 Edge of forest Pto Arturo, near Yumangua  
dense forest



- 27750 *Funigis* On log of 27749  
 27751 *Anthurium* EH Spathe pi  
 27752 ? HV Spad. grayish - pi  
 27753 *Solanum* S subsc. Pr. light gr.  
 \* 27754 *Begonia* H scand. Cor. w  
 \* 27755 *Plumya* H Pet. w, arch y  
 27756 *Acalypha* S erect  
 27757 *Piper* S 7-9'  
 27758 *Rub.* S 8-12'  
 27759 *Funigis* H rep. Pr. r  
 \* 27760 *Solanum* On log erect  
 27761 *Rub.* H 2-5' Lvs deep purp base  
 27762 *Leg.* S slender Cor. white. light gr.  
 27763 *Rub.* S 5-6' Pet. w  
 27764 *Epiphyllum* S 12-15'  
 27765 *Scleria* EH  
 27766 *Rub* H  
 27767 *Rub.* T slender Pr or r  
 27768 *Euph.?* S 10-12'  
 27769 *Grass* T 15-20'  
 27770 ? H 3-4'  
 27771 *Acanth* T slender Cor. greenish w  
 27772 *Peperomia* H up to 10' lvs grayish  
 27773 *Diplazium* H rep on t t  
 27774 *Adiantum* H  
 27775 *Palme* PL 6-8' Pr. or r  
 \* 27776 *Leg.* T 30-40' Infl. yellow, bran  
 27777 ? T slender n. base of trunk  
 27778 ? Malp S Pet. y  
 27779 *Dryopteris* H  
 27780 *Solanum* S 6-8' elong br.  
 27781 *Malpigh* WV  
 27782 *Philodendron* EH Spathe pi. purp  
 27783 *Marant.* H 8-10' y-g dist.  
 \* 27784 *Ardisia* EH Pr. or r

Aug. 24 dense forest Pto. Arturo, near Yurumayun

clearing  
dense forest



- 27785 *Euph.* ?  
 27786 *Piper*  
 27787 ?  
 27788 *Trichomanes*  
 27789 ?  
 27790 ?  
 27791 *Melast.*  
 27792 *Stenochlaena*  
 27793 ?  
 27794 *Adiantum*  
 27795 *Philodendron*  
 27796 *Dennstedtia*  
 27797 *Struthiopteris*  
 27798 *Philodendron*  
 27799 *Ruellia*  
 27800 *Antrophyum*  
 27801 *Eucrosia*  
 27802 *Myrsine*  
 27803 *Piper*  
 27804 *Rub.*  
 27805 ?  
 27806 *Piper*  
 27807 ?  
 27808 *Polygodium*  
 27809 *Funig.*  
 27810 *Funig.*  
 27811 *Acanth.*  
 27812 *Cyclanthus*  
 27813 *Piper*  
 27814 *Anthurium peltatum*  
 27815 *Leptochilus*  
 27816 *Zectaria*  
 27817 *Philodendron*  
 27818 *Rub.*  
 27819 *Passiflora*

- T slender  
 S 7-9'  
 T 40-50'  
 H <sup>ref on</sup>  
 T slender  
 T slender  
 T slender  
 T slender  
 H climbing  
 H tree tr  
 S slender  
 H  
 E H  
 H  
 H ter  
 H ter  
 S slender  
 S 2-3' Br. light gr.  
 H ter  
 H bulbous root  
 H Per. w  
 T slender  
 T 12-15'  
 S 10-12'  
 T 20-30'  
 T 12-15'  
 T slender  
 E H  
 On log  
 On log  
 S erect  
 S 6-7'  
 Pl 7-8'  
 S 8-10'  
 E H  
 H  
 H  
 E H  
 S 8-10'  
 H V

Fr. only; no lvs

Buds light gr

Fr. pi

Fr. bright r

Br. light gr.

Ripe fr. deep purp

Pl deep purp.

Wh above  
salm - fr. here.

Buds green w

Spath. of mangi  
dark - fr. steel

Aug. 24 dense forest Pto. Arturo, near Yurimagu

Spath. rich purp

Fr. w

Slender



- 27820 *Cephaelis* "abi" H spreading br.  
 27821 *Dryopteris* H  
 27822 *Talium* H fleshy 1-2'  
 27823 *Solanum* "cocona" H coarse 2-4'  
 27824 ? "cocona" S slender  
 27825 *Passiflora* HV  
 27826 *Dryopteris* H  
 27827 *Comp.* H  
 27828 *Passiflora hispida* HV "pure-pure" fr. eaten  
 27829 *Vernonia* cvar H to 10' erect stem  
 27830 *Leg.?* T 15-20' flowers purp.  
 27831 ? S 4-5' fr. y or.  
 27832 ? T slender Sep. light y; anther y  
 27833 *Leg.* T 20-25'  
 27834 *Passiflora tiliaefolia* HV See notes  
 27835 *Miconia* S 8-10'  
 \* 27836 *Solanum* S 3-4' erect Pet. w, anther y  
 27837 *Clitadum* "guaco" S 6-10' fr. w. Mr. bluish  
 27838 *Houvea* HV Cr. tube fr. out, purp. in bluish w  
 27839 *Centropogon* S elong br. Cr. fr. lobes pale  
 27840 *Apoc.* HV Cr. green y  
 27841 *Calceolium* H Spathe gr. perianth w. dist. perianth  
 27842 *Sauzezia* H 2-3' ± woody bel. Br. dark r-r  
 27843 *Houvea polyanthes* HV Cr. y  
 27844 *Eucrosia* H bulb. Per. y  
 27845 *Acanth.* H Cr. w  
 27846 ? T  
 27847 *Lycopodium* HV  
 27848 *Melast.* S 5-7' Pet. w  
 27849 *Passiflora serratechigata* HV  
 27850 *Acalypha* H 2-3' lar  
 27851 *Solanum* H Mr. 4-5' Mr. w, gr. - stipid  
 27852 *Saccoloma* H 30-40' T bulb ± 8"  
 27853 *Heliconia* H  
 27854 ? *Acanth.* H low flat on ground, brown above, white below, leaves

Aug. 24 Clearing Pto Alberto, near Yurimaguas

edge of forest clearing

thickets

dense forest

thickets dense forest

thickets

dense forest

thickets dense forest

thickets

dense forest



- 27855 Moss On log  
 27856 " " "  
 27857 Hep. " tree twig  
 27858 " " twig  
 27859 " " lvs  
 27860 Trema micrantha T 20-25'  
 27861 Solanum Here 4-5' H + woody bel Cor. w; aneth y  
 27862 Solanac. ? S 6-8' elong. br.  
 27863 Phorox H  
 27864 Gossypium S 6-8' Pet. y  
 27865 ? T 25-30' Fr. eaten  
 27866 Jacarima S erect 5-6' Cor. scarlet  
 27867 Leg. S tr 3-5" diam Buds gr.  
 27868 ~~Sapot~~ ? T 15-20'; lvs taper; fls. on trunk  
 27869 Leg. S  
 27870 ? T slender Fls. pink w  
 27871 Rub. S spreading 8-10'  
 27872 Melast. S 10-12' Buds pink w  
 27873 Peperomia? H ter Lvs deep dr. variegated with white; pink base.  
 27874 ? S slender 8-10' Buds pink w  
 27875 Piper S 7-10' Spikes erect  
 27876 ~~Sapim~~ S 11 m. T Fls w  
 27877 Rub. Logan. S erect 6-8' Cor. pale  
 27878 Rub. S 8-10' Lvs gr  
 27879 Sapim T 12-15'  
 27880 ? W V twining Fls. w  
 27881 Myrsin. S 15-20'  
 27882 Piper S 10-12'  
 27883 Asplenium EH  
 27884 Orchid EH Sep. gr., lip w  
 27885 Harnesia EH  
 27886 Cucur. b. HV  
 27887 Bromel. EH Br. r  
 27888 ? T 20-30'  
 27889 Orchid EH Sep. pale y

Aug. 24 Dense forest Pto. Arturo, near Guarmagueo

25

clearing

dense forest

near base; fls. light y; aneth y



27890	Malaxis	EH	per. seg rose-red ext. w.
27891	Peperomia	EH	
27892	Dioscorea <i>Memifol</i>	HV	for leafy Per. gr.
27893	Arctium	H <sup>er</sup>	Spath. deep gr.
27894	Laur.?	T slender	
27895	Pteris	H	
27896	Apo.	S erect 8-10'	Cor. green w
27897	Acalypha	S 10-12'	
27898	? Verb.	T 15-20'	Fr. pi
27899	Tabernaemontana	S 6-8'	Cor. w
27900	Fern	EH	
27901	Philodendron	EH	Spath. dark gr, to y-g; spad. w
27902	?	S 10-15'	Fr. deep gr
27903	Moss	On dec. log	
27904	Rub.	T slender	
27905	?	S slender	
27906	?	S slender	
27907	Cyathula	H 2-3'	Inf. green w
27908	?	T slender	Fr. purplish black
27909	Struthiopteris	H climbing to to	
27910	Piper	T 12-15'	
27911	Acanth.	S erect 4-6'	Cor. cream w
27912	?	T 15-20'	Fr. light y
27913	?	S slender	
27914	?	S low	
27915	?	T 12-15'	
27916	?	T	Fr. or. - y
27917	?	S 1-2'	" " "
27918	? <i>Musa</i>	S 8-10'	
27919	?	S 10-12'	
27920	?	S	
27921	Rub. <i>Musa</i> ?	T 12-15'	
27922	Euph.	T slender	
27923	Rub.	S 2-3'	Br. red-pink Fr. bright blue
27924	Rub.	S 4-12.5'	Fr. bright blue

Aug. 25 dense forest, Pto. <sup>Arturo</sup> Alberto, near Yumangua



27925	Rob. Nees?	S 8-10'	
27926	Aur.?	T low	Tr. deep r
27927	Philodendron	EH	
27928	Anthurium	EH	
27929	Liliac.	S 6-10'	Pet. w
27930	Leg.	N reh.	Pet. w
27931	Blechnum	H	Cr. pulch w
27932	Cecropia	T 40-50'	
27933	Inga "parinari"	T 50'	Pet. y-w (fr. used child pick w/ for ink)
27934	Cassia	T 30-40'	Pet. y
27935	?	T tall	Tr. brown
27936	Miconia	S or am. T	
27937	Melast.	S	Pet. w
27938	?	S or am. T	
27939	Vicinia	T 25-30'	Pet. yish - w
27940	Beijron.	WV	Cr. pulch - blue
27941	Banisteria	HV	
27942	Apoc.	T	Cr. w; sap w
27943	Sipanea	T	Tr. r.
27944	Myrt.	S	Pet. w
27945	Leg.	WV	Pet. pulch blue
27946	?	WV	
27947	Paulownia?	WV	
27948	Melast.	S or am T	
27949	Miconia	WV	Pap. wh
27950	Leg.	WV	Pet. pi.
27951	?	T small	
27952	Leg.	WV	Pet. pi
27953	Cordia	S 8-10'	
27954	Mendoncia	HV	
27955	Piper	S 8-10'	
27956	Aroc.	H Gut.	
27957	Ipomoea	HV	Cr. fi.
27958	Coccolobis	T	
27959	Eleocharis	H	

Aug. 25 Dense forest Pto Arturo, near Yurimaguas

clearing

edge of woods  
clearing

woods "

clearing  
woods

woods

Yurimaguas Ph S 22-12

Ph. S 22-13

Ph. S. 22-14

open swamp



27960	Piaropus	H	
27961	Pityrogramma	H	
27962	Eleocharis	H	
27963	Alisma	H	
27964	Grass	H	
27965	Arac.	H ter?	space deep gr out
27966	Apoc.	S erect	light gr. in; of adn.
27967	Nucoma	S 8-12'	Cor. w
27968	Rub.	S 6-8'	Bush pink w
27969	Tibao? Euph.	T	
27970	?	T	
27971	Bauhinia	WV	
27972	Rub.?	T or S	Br. deep pink
27973	Acanth.	H 1-3'	Cor. pale pi.
27974	?	T	
27975	Olyra	H 5-6'	
27976	Myrt.	S	
27977	Palu.	TP	
27978	Melast.	T	
27979	Anthurium	EN	Br. deep pi
27980	?	T	
27981	?	WV	Pet W
27982	Peperomia	EN with drooping br	
27983	Myrcia	T slender	Pet. w
27984	?	S or erect	
27985	?	T	Br or. r
27986	Jacquemontia	HV	Cor w
27987	Vismia	T	
27988	?	T	
27989	Rab.	S	Br. pure w
27990	Rub.	V 1 woody	Cor. rich pi
27991	?	T	
27992	Peperomia	H rep. on to h	
27993	Sauvagea	S erect	Br. r; cor.
27994	Cule A "farbenger"	T 6-8' - 2 yrs. old ± 6 trees	

Aug. 25 open swamp

Yumaguas

pink pi woods

dense forest

clearing (cult.) 16kg roots bought for 2.50.0



27995	<i>Passiflora coccinea</i>	HV	Sop. scandent Hls. purp. br. w.
27996	<i>Aristolochia</i>	HV	Hls. deep purp. gr. - dent
27997	Cube A "barbarea"	T 6-8'	(About 20 plants - Br. r
27998	<i>Alpinia</i>	H 8-10'	Br. or y
27999	<i>Solanum</i>	H 3-4'	Br. green w aut. y
28000	<i>Croton</i>	H	Br. or r
28001	? Rub.	8 or 10'	Per. bright y
28002	<i>Anturium</i>	ET	
28003	?	T	Br. pinkish w
28004	<i>Acauth.</i>	S erect 5-6'	
28005	<i>Solanum</i> ?	S slender	Cr. greenish w aut. w
28006	<i>Heliconia</i>	H 5-6'	Br. greenish w with pi, det. Per y
28007	?	T	Br. w, greenish or main branches
28008	Cube A "barbarea de monte"	T	
28009	<i>Philodendron</i>	ET	
28010	<i>Ruellia</i>	H 1 woody	Br. light gr.
28011	<i>Myrt.</i>	T slender	
28012	<i>Pteris</i>	H	
28013	<i>Adiantum</i>	H	
28014	<i>Anthurium</i>	ET	Spathe greenish w
28015	<i>Morac.</i>	S 10 or 15'	
28016	<i>Tectaria</i>	H	
28017	Rub.	S 8-10'	Cr w
28018	<i>Peperomia</i>	ET	
28019	<i>Acauth.</i>	H	Cr tub. w, lobes light pi
28020	?	T	Fr or
28021	<i>Philodendron</i>	ET	
28022	<i>Psychotria</i>	S slender	lvs bright purp Br.
28023	Rub.	S slender	Br. pure w Hls. 7-9
28024	?	T	Br. greenish w
28025	<i>Scleria</i>	H	
28026	<i>Palm</i>	T	
28027	?	?	Br. pi; fr. black
28028	<i>Hep.</i>	On branches	
28029	<i>Anon.</i>	T	

Aug. 25 Dense forest

Gurmagua

woods

clearing  
woods dense forest



28030	Peperomia	EA	
28031	Piper	S 8-10'	
28032	Apoc.	S	
28033	Demostedtia	H	
28034	Philodendron	EA	
28035	Philodendron	EA	
28036	Anon.	T	
28037	Peperomia	EA	
28038	Peperomia	prop. or th	
28039	Mor.?	T	
28040	Sanchezia	S low Brn. gr. Cor. lighter	
28041	Alismac.	H	
28042	Alga	H <del>in water</del>	
28043	?	S 8-10'	
28044	Gossypium	S 8-10' Pet. yish-pi	
28045	<del>Baccharis</del>	T	
28046	?	T	
28047	Coccoloba	WV Dr. black	
28048	Psychotria	T erect, 15-20' Cor. rich pi	
28049	Rub.	T Dr. black	
28050	Laur.	T Pet. green w	
28051	?	T Dr. pi	
28052	Melast.	T Pet. w	
28053	?	S or sm	
28054	Malpigh.	S Pet. y	
28055	Jacobinia	S erect 6-8' Cor. lighter	
28056	Bursera	S Cor. bl & w	
28057	?	T	
28058	Ipomoea	HV Sep. purplish	
28059	Souaria	WV	
28060	Apoc.?	WV	
28061	Centropogon	S along Cor. pi, lobes pale	
28062	Myrt.	T slender	
28063	Journa	S or sm	
28064	Journefortia	T sm Cor. tub. gr, lobes cr-w; fr. pure w	

Aug. 25 Dense forest

Yummaguas

woods

open swamp

woods  
clearing?  
woods26 Woods (Bet. Y. & Fortaleza  
Portolea) Bet. Y. & Balsapuerto



- 28065 *Serjania?*  
 28066 *Polypodium*  
 28067 *Peperomia*  
 28068 *Peperomia*  
 28069 *Passiflora*  
 28070 *Jilicac*  
 28071 *Melast.*  
 28072 *Cypripedium*  
 28073 *Cordia?*  
 28074 *Anthurium*  
 28075 *Cucurbit.*  
 28076 ?  
 28077 *Nicotiana*  
 28078 *Rub.*  
 28079 ?  
 28080 ?  
 28081 *Ficus*  
 28082 *Apoc.*  
 28083 ? *LA*  
 28084 *Rub.*  
 28085 *Piper*  
 28086 *Peperomia*  
 28087 *Solanum*  
 28088 *Delonix*  
 28089 *Rub.*  
 28090 *Piper*  
 28091 *Begonia*  
 28092 *Melast.*  
 28093 *Acanth.*  
 28094 ?  
 28095 *Hib.*  
 28096 *Acanth. Piper*  
 28097 *Acanth.*  
 28098 *Moss*  
 28099 *Acanth.*

- HV *Wings of fr. r.; seed black*  
 HV on tit  
 H *ref. on*  
 S *2-3' Br. r.; cor. pale*  
 HV *for dark lvs & mottled*  
 S *or on t. above, purple lvs.*  
 S *slender*  
 TF *Crud. 4-5', slanting*  
 S *or on t. fr. (incl. at.) 3-5'*  
 S *or on t. Cor. w*  
 EH *Spikes of fr.*  
 HV *deep pi.*  
 S *or on t. Br. r.*  
 T *10-15'*  
 T *15-20'*  
 S *Br. pure w*  
 T  
 T *Br. cr-w*  
 S *or on t*  
 S *erect*  
 T  
 S *erect*  
 S *8-10'*  
 S *Br. r.; fr. y*  
 S *erect*  
 S *Cr w; anth. g-y*  
 HV  
 S *Branchy inf. to*  
 S *10-12'*  
 S *Br. reddish-pink*  
 H *1.5-2'*  
 S *Pet w; anth. y*  
 S *Pet. w; anth.*  
 S *2-3'*  
 S *deep gr.*  
 T *Cor. pi.*  
 T *on twigs*  
 T *12-15'*  
 S *Cor. w*  
 On tit  
 H

Aug. 26 woods (Bet. Y. o ~~Portobaca~~<sup>la</sup>)  
 Fortaleza

y. lobes r

dense forest (Bet. <sup>Fortaleza</sup> ~~Portobaca~~ & Moriches) 135-150m



28100	Peperomia	EH	
28101	Peperomia	EH	
28102	Rub.	S	infl. bright
28103	Miconia	S or dm. T	
28104	Leg.	WV	st. pi. w rk
28105	Cucurb.	HV	paler
28106	Malpigh.	WV	cor. or-r
28107	Piper	T 10-12'	
28108	Solanum	H 3-4'	
28109	Piper	S 8-12'	
28110	Nyssa? 2	S	Tr. black
28111	Laur.	T	Pet. w
28112	Large	S ± 2'	Tr. or-y
28113	Anthurium	H or	
28114	Rub. luteif.	T 2	
28115	Peperomia	EH	
28116	Jacotinia	erect	Br. & cor scarlet
28117	mur.?	T	
28118	Rub.	S	Tr. w
28119	Piper	S 5-10' WV pendant with dependent branches	
28120	Begonia	H scandent	Pet w
28121	Pachira	T 30-40'	
28122	?	T	
28123	Anthurium	EH	Tr. wine-colored
28124	?	S or dm. T	
28125	Palu "bambouze"	cond. subter.; pet to 12'; fr basal. / used for hats, baskets	
28126	Passiflora foetida var. wv	HV	Tr. deep y
28127	Euph.	T	
28128	Euph.	T	
28129	Leg.?	T	Pet pink w
28130	Piper	T 12-15'	
28131	Melast.	S	Pet. pink, w
28132	Ternstroemia	S erect	
28133	Cyathia	TF	cond. slender, erect. 6'; fr. 6'
28134	?	T	pedicels r

Aug. 26 Dense forest (Bet. <sup>Fortaleza</sup> ~~Porto Alegre~~ & Monaches)

clearing  
dense forest (Bet. Moniches & Yana-yacu)



- 28135 Rub. S  
 28136 Bignon. S or summit  
 28137 Thlasiantha HV  
 28138 Gesner. S  
 28139 Carludovica EH  
 28140 ? S  
 28141 Acalypha S or summit  
 28142 Cyclanthera Pl 4-6'  
 28143 Philodendron EH  
 28144 Leg. WV Fr. or r  
 28145 Cyclanthera Pl 4-7'  
 28146 ? S or summit  
 28147 Passiflora (Astropha) WV See notes  
 28148 ? T  
 28149 Philodendron EH Spots pink w  
 28150 ? T  
 28151 Hep. On branches  
 28152 Philodendron EH  
 28153 Mucuna S  
 28154 Inga T 40' Pet. pink w  
 28155 Tournefortia S or summit Fr. w  
 28156 Scleria H coarse  
 28157 Flacourt. T Pet. pink w; fil  
 28158 Cube A "barbasco" T 40' 20 plants  
 28159 Hec. ?  
 28160 Rub. S or summit Fr. deep pink  
 28161 Acauth. H ± woody bel  
 28162 ? WV  
 28163 Solanum S 5-7' Cr. w; anther y  
 28164 Polyphodium EH  
 28165 Laur. T  
 28166 Heliconia T 20-40'  
 28167 Sapind. HV  
 28168 Centropogon S or summit Cr. fl. pale  
 28169 Bignon. WV

Bracken v. r. <sup>rich</sup>  
 Cor. tube y part, <sup>rich</sup> Aug. 26 Dense forest. (Ber. Monches + Yana-yana)

(Yana-yana)

woods  
~~clearing~~  
 wo

edge of clearing  
 dense forest

clearing



- 28170 *Cleome ? "balsa"* T (young) 30' High  
 28171 *Arac.* E.H. Fr. r.  
 28172 *Dioscorea* HV  
 28173 *Melast.* H 1.5-2.5' Pet. w  
 28174 *Bignon.* W.V. Cor. pi.  
 28175 *Melast.* S 10-12' Pet. w  
 28176 *Cochlospermum* T 20-30' Pet. bright y  
 28177 *Ipomoea* HV Cor. w  
 28178 *Brumfelsia* S 1-2' Cor. tub. o. lob.  
 28179 ? T 20-25' r. pi, lob. blin  
 28180 *Melast.* T 12-15' Pet. w  
 28181 *Piper* S 8-10'  
 28182 ? *Silene* T slender Pet. o. column  
 28183 *Piper* T 10-12' pinkish blue  
 28184 *Philodendron* T 12-15'  
 28185 *Grass* E.H. young of which  
 28186 *Marant.* H 3-4' purple  
 28187 *Apoc.* T 10-12' Per. r.  
 28188 *Myrt.* S 10-12' Cor. w  
 28189 *Hemistelia* TF slender erect 2' fr. 5-6'  
 28190 *Melast.* S 10-12' Pet. w  
 28191 *Leg.* WV Pet. pink pi  
 28192 *Heliconia* H 5' Br. yellow  
 28193 *Bourrouma* T 20-25' r. above  
 28194 ? T tall  
 28195 *Acalypha* T 12-15'  
 28196 *Anthurium* H 1m  
 28197 ? *Myrt.* T 15-20' Fr. rich pi  
 28198 *Rub.* S 2' Fr. bright bl  
 28199 ? T slender  
 28200 ? T 15-20' Fr. r.  
 28201 *Jussiaea* S 5-6' Pet. y  
 28202 *Calathea* H 1m Fr. yellow  
 28203 *Piper* S 4-5' striped with  
 28204 *Cassia* T 30-40' Pet. bright y

Aug. 26 Dense forest (Yana-yaca)

clearing

28 open woods

Gurumagnas

clearing  
open woods

dense forest



- 23205 ? *Vernonia* T 12-15' Fr. bright gr.  
 23206 *Melast.* H 2-3' Pet. w  
 23207 *Grass* H  
 23208 *Piper* S 4-5'  
 23209 *Scroph.* T slender 10-12'  
 23210 *Vernonia* S 5-7' Florets purp  
 23211 *Cube A 'barbasci'* T 6-10' about 250 fl.  
 23212 *Eclipta* H 10-12' brown *Mandragora*  
 23213 *Leg.* looks exactly like *Cube A* but quite insists it is not. Cr. green y  
 23214 *Passiflora* H 10-12' Sterile  
 23215 *Amaranthus* H 10-12' Fr. green w

- 23216 *Cestrum* S 8-15' Cor. green w  
 23217 *Stelis* H 10-12' Per. seg. green w  
 23218 *Orchid* H 10-12' Per. seg. redish-purp;  
 23219 *Moss* On moist bank  
 23220 *Orchid* H 10-12' Per. seg. green-gr.  
 23221 *Piper* S 10-15'  
 23222 *Scroph.* S slender 3-4' Cor. r  
 23223 *Cassia* S 4-8' Pet. y  
 23224 *Solanum* H 3-5' woody below Cor. pale bl. & w  
 23225 *Clematis* W.V. anther y  
 23226 *Weinmannia* S 8-15'  
 23227 *Duggena* S 8-15' with elong. br. Cor. pi., lobes w.  
 23228 *Moumnia* S 5-10' with elong. br. Pet. deep bl.  
 23229 *Cestrum* S 8-12' Cor. y-sh gr.  
 23230 *Baccharis* S erect  $\pm$  7' Florets greenish-w  
 23231 *Smilax* W.V.  
 23232 *Leaf rust*  
 23233 *Osteomeles* S 4-6' Fr. only  
 23234 *Gaiodendron* T 8-10' Fls. bright y  
 23235 *Orchid* H 10-12' pseudo bulb 3 seg y, pet tinged 2 seg. white deep purp  
 23236 *Passiflora mollissima* W.V. tube gr. int, cream-w; sep. pi. in; pet. pi. Col. greenish-w.  
 23237 *Calceolaria 'squarrosa'* H 10-12' woody below Cor. bright y  
 23238 *Rubus* S elong. br. to 7' Pet. deep pi.  
 23239 *Polyptrichum* H caudex thick erect

Aug 28 dense forest clearing Yurunguá

dense forest  
Uncle's

*Persea Yurunguá* clearing (soil neutral, #7)

woods

waste places

May 17 thickets 1000m. (Cearapa - Cearapa)  
woods

Open hillsides  
Edge of woods

1200m.

1500m. (Cearapa - Cearapa)

May 18 Thickets  $\pm$  3200m. (Pampalca - Pargona)



- 23240 *Selaginella* H  
 23241 *Passiflora lobbii* HV See notes  
 23242 ~~Rubiac.~~ *Asclep.* HV Cor. greenish, pi. - tinged at apex  
 23243 *Polytrichum* On bank  
 23244 Lichen On tree Pl. ashy w  
 23245 Lichen On tree " yellowish  
 23246 *Gentiana* H Cor. tube greenish-y  
 23247 Lichen On bank lobes w, red-stippled on one side out Open bank  
 23248 *Geranium* H branches lax Pet. wh.  
 23249 *Cherlanthes* H  
 23250 *Baccharis* 5-6' br. Pappus wh  
 23251 *Dryopteris paleacea* H  
 23252 *Kanunulus* H sep. bright y  
 23253 *Muhlenbergia* H woody below forming open mats. sep. gr. w (common)  
 23254 *Sp. racem.* 5-8' Cor. wh., pi. - tinged  
 23255 Comp. 6-10' Plants y  
 23256 *Plantago* H fls flat y Cor. greenish  
 23257 *Cestronites* 10-15' fls. gr.  
 23258 *Lomaria* H stem. + 6" high  
 23259 *Trungus* On bank Pl. wh.  
 23260 Lichen On bank  
 23261 *Diarrhynchium* H Per. y  
 23262 *Alchemilla* H + woody Pet. fresh w  
 23263 Lichen On bank  
 23264 *Bartonia* H Cor. bright y  
 23265 *Snaphalium* H fls flat on ground Plants greenish w.  
 23266 *Hypericum* H Pet. y  
 23267 *Elephantopus* H fls 8-10' Calyx tube pink, cor. fr. pi.  
 23268 *Permethia* 8-10' Tube wh., lobes pi. Th. withered  
 23269 *Borag. Scroph.?* H slender branches  
 23270 Lichen On bank  
 23271 *Dryopteris* H  
 23272 *Eupatorium* 8-8' slender brs. Cor. tube pi, lobes pale pi; styl. w  
 23273 *Valeriana* HV Bractlets w, pap. wh  
 23274 *Calceolaria "parva"* H Cor y

May 18 ~~Shade of rock~~ ~~Thickets~~ 3200-3500' (Pamphala - Pargora)  
 Thickets

Open bank  
 Thickets

Open bank

Thickets

Open hillside

(common)

Thickets

Open hillside

Thickets

Open hillside

Thickets

Open hillside

Thickets

Ditch



- 23275 *Mimulus* H Cor. y  
 23276 *Cardamine* H Pet. w  
 23277 Moss In ditch  
 23278 Lichen In ditch  
 23279 *Gaultheria* H <sup>rep.</sup> <sub>± woody</sub> Cor. light pi. s pr.  
 23280 *Calceolaria "lanata"* H Cor. light y  
 23281 *Jussia* H Capsule gr.  
 23282 *Peperomia* H ter. succ. Stems o. infl. redish  
 23283 *Elaphoglossum* H ter Open hillside  
 23284 *Polytrichum* On bank  
 23285 *Limnanthes* H Cor. light y  
 23286 *Bartsia* H Cor. pi.  
 23287 *Disynchium* H Per. y  
 23288 *Echeandra* H Per. wh., gr. <sup>striped</sup> out  
 23289 *Hypoxella* H forming mats  
 23290 *Colobanthus* H " " Calypso gr.  
 23291 *Plantago* H Cor. wh.  
 23292 *Caryophyll.* H Infl. greenish  
 23293 *Galium* H Fr. w  
 23294 *Verbena* H <sup>woody</sup> <sub>at 3'</sub> Cor. deep bl. <sup>hale</sup> <sub>at throat</sub>  
 23295 *Polypodium* H ter  
 23296 Lichen On bank.  
 23297 *Calceolaria* H Cor. y  
 23298 *Calceolaria "virgata"* S ± 4' Cor. bright y  
 23299 *Senecio* H <sup>woody</sup> <sub>at 1'</sub> 4-6' Cor. <sup>dark</sup> <sub>red</sub> lobes y, style y, pap. wh  
 23300 *Calceolaria* H <sup>woody</sup> <sub>at 1'</sub> Cor. bright y  
 23301 *Afzelia* S slender <sub>± 3'</sub> Cor. <sup>sup. lip</sup> <sub>pink-r</sub>  
 23302 *Aca* H ter Per. wh  
 23303 *Cichoria* H ± 6" Cor. <sup>white</sup> <sub>wh</sub>, lobes  
 23304 *Isopappus* S to 3' bright bl; anthers purp  
 23305 *Lupinus* H Ropy; florets greenish  
 23306 *Elaphoglossum* H ter  
 23307 Moss On bank  
 23308 "  
 23309 "

May 18 Ditch 3200-3500m (Pampalca-Pargora)

Open hillside

Shaded bank

Open hillside

Puna

Thickets

Shaded bank

May 19 Open hillside

± 4200 m. (Maptaro Brains)  
 Pargora - Hae. Cuyucacha  
 40



- 23310 Grass H  
 23311 *Plagiosotrya* H <sup>hermaph.</sup> Cor. wh.  
 23312 *Baccharis?* S 6-8' Pap. wh.  
 23313 *Solanum* S 2-4' Cor. bright bl. anthy  
 23314 *leocarpaceae* T 10-15' fr. 4-9.  
 23315 *Mutisia* S 5-8', much rays y.  
 23316 *Azplenium* H  
 23317 *comp.* S 6-8' rays l. y; florets  
 23318 *Solanum* H 5' rays y.  
 23319 *Eupatorium* H woody below cor. bl.; ant. y.  
 23320 ? S 4-6' cor. tube + lobes w;  
 23321 *Eupatorium* T 12-18' pap. purish.  
 23322 *Pteris* S 2-3' cor. 2' rays w.  
 23323 *Salvia* H 2.5' cor. tube rays w.; lobes  
 23324 *Psoralea* H 4-6' apog. - green, pale felo,  
 23325 *Clematis* H 4-6' (in end only)  
 23326 *Tecoma* H 20-30' stig. w.  
 23327 *Cajuputa* H 4-6' stig. w.  
 23328 *Curatula* H 4-6' stig. w.  
 23329 *cucurb.* H 4-6' stig. w.  
 23330 *Lianthura* H 4-6' stig. w.  
 23331 *Ceanothus "tara"* H 4-6' stig. w.  
 23332 *Pteris* H 4-6' stig. w.  
 23333 *Solanum molle "molle"* H 4-6' stig. w.  
 23334 *Crotalaria* H 4-6' stig. w.  
 23335 *comp.* H 4-6' stig. w.  
 23336 *Indigofera "muting"* H 4-6' stig. w.  
 23337 *comp.* H 4-6' stig. w.  
 23338 *Acacia* H 4-6' stig. w.  
 23339 *Ipomoea* H 4-6' stig. w.  
 23340 *Ipomoea* H 4-6' stig. w.  
 23341 *Tropaeolum majus* H 4-6' stig. w.  
 23342 *Rauvolfia* H 4-6' stig. w.  
 23343 *Cristaria* H 4-6' stig. w.  
 23344 *Rhynchosia* H 4-6' stig. w.

May 19 Open hillside  $\pm 4000$  m. Pargona-Hac. Cuyucacha

Thickets

$\pm 3700$  m. Hac. Cuyucacha  
Pl. K (with 22186)

$\pm 3000$  m. Huanta

roadside (powder within pod used)  
as eye-wash

B-13 Pl. - K. 1, 2, 4.

May 20

21 arid land

$\pm 2800$  m.

Pl. - K. 3.

mainly soil  
and land

May 23 thickets

$\pm 2600$  m. La Ujorada



- 23345 *Vacciflora*  
 23346 *Solanum*  
 23347 *Calceolaria*  
 23348 *Mammilla*  
 23349 *Berberis*  
 23350 *Wrenneria*  
 23351 *Gentiana*  
 23352 *Lupinus*  
 23353 *Veronica*  
 23354 *Erigeron*  
 23355 *Altemantlora*  
 23356 *Satureia*  
 23357 *Sorolia*  
 23358 *Echidnandra*  
 23359 *Swardia*  
 23360 *Solanum*  
 23361 *Lupinus*  
 23362 *Cheilanthes*  
 23363 *Polystichum*  
 23364 *Polypodium*  
 23365 *Cheilanthes*  
 23366 *Polystichum*  
 23367 *Seigesbeckia*  
 23368 *Polystichum*  
 23369 *cich.*  
 23370 *Astragalus "garbancillo"*  
 23371 *Geranium*  
 23372 *Cordia tarameensis* Kr.  
 23373 *Calceolaria*  
 23374 *Martynia*  
 23375 *Cassia*  
 23376 *Piper*  
 23377 *Piper*  
 23378 *malhigh.*  
 23379 *Lycopodium*

- woody  
 H. V. at base  
 H. coarse I pet. bl., ant. y.  
 H. woody below with straight cor. y.  
 S. erect stem, T. 5.  
 S. 3-6' pet. deep bl.  
 S. compact at summit  
 S. 16' with pet. deep y.; fr.  
 S. elong. bran. bluish  
 H. rays br. y.; pap. gnish;  
 cor. tube & lobes deep y.  
 H. cor. tube yish, lobes bl. y.  
 striped at one side, ant.  
 H. stain. w. bl. on midvein &  
 at base out; wings &  
 H. ripent at cor. bl., darker striped  
 H. base  
 rays w.; pap. gnish; cor.  
 H. tube gnish lobes y.  
 H. cor. bl. blotched with  
 S. 3-5' deep pur.  
 cor. pale p., yish in;  
 S. 5-8' fil. y. & wings br. bl.;  
 H. keel purish;  
 per. w. y. striped.  
 H. woody at base, cor. deep pur. lower  
 H. 3-4' lip gr. dist. fil. & sty. ant. & stig. y.  
 H. 4-5' cor. bl., ant. y.  
 S. 2-2.5' stain. wings  
 pet. bl., paler pros.; sty. y. at center in;  
 H. keel deep pur. dist.  
 H.  
 H.  
 H.  
 H.  
 H. 1-2' cor. y.  
 H.  
 H.  
 H. 2' cor. & sty. br. y.  
 H. stain. & wings p., deeper  
 H. striped; keel gnish  
 H. pet. w. yish. gr. pros.  
 p-striped dist. in.  
 S. 4-5'  
 H. 2-3' cor. br. y.  
 H. cor. pale bl., sty. & fil. w.  
 H. 1-2' pet. light S.  
 S. 8-12'  
 S. 7-10'  
 S. 6-10' fr. p.  
 H. V. turning  
 H. V. among shrubs

May 25 thickets + 2600 m. La Virgenada near  
 25 thickets + 3600 m. Acopalca Valley, Huancayo

open places

moist places

open places

open hillside

thickets

open hillside

rocky hillside

27 puno bet. Jauja & Tarma

4500 m.

28 bet. Tarma & Huacapistana Palca

2600 m.

OW

O.H.

Marangal, near La Merced

800 m.

29 thickets

La Merced



- 23380 fab. S. with elong. brs. stan + unip. w. bl. - triq.; keel bl., w. prox. May 24 thickets La Merced
- 23381 amarant. S. 4-5'
- 23382 Passiflora H. U.
- 23383 Muehlenbergia S. 4-7' all pet. light bl., paler prox.
- 23384 Eupatorium S. 8-12' cor. tube gnish. w., lobes + sty. w. to pale bl. pap. - gnish. Cor. cream w.
- 23385 solan. S. with elong. S. 10-20' pet. w.
- 23386 Phlox S. 8-15'
- 23387 apoc. H. U. cor. tube y.g., lobes y, paler prox.
- 23388 Guanochet H. U. cor. br. r. yish within tube; fil. & ant. yish.
- 23389 Pityrogramma H.
- 23390 Ipomoea H. U. cor. pure w.
- 23391 gesner. H. 2-4' cor. br. or. out; y. in, pur. spotted dist. fil. & sty. y.
- 23392 Eupatorium S. 6-10' pap. & cor. tube gnish., lobes pale bl.
- 23393 gesner. H. among undergrowth cor. pale pur. to blue.
- 23394 Ipomoea H. U. cor. deep bl. dist., w. prox.
- 23395 Carvolvulus H. U. cor. tube gnish., lobes w.
- 23396 Solanum Rut. S. 8-12' cor. pale bl.; ant. y.
- 23397 acanth. H. 3-5' cor. tube w. to pale pur. bl.
- 23398 fab. H. U. lobes deep bl.
- 23399 Indigofera S. 2-6' all pet. gnish y, when yashq., prob. becoming bl.
- 23400 Passiflora H. U. fr. p. deeper striped along ridges
- 23401 Baccharis S. 6-10' with S. elong. brs. cor. & lobes gnish.
- 23402 Vernonia S. 5-10' with S. elong. brs. pap. & fls. gnish.
- 23403 borrag. T. 10-15' cor. w.
- 23404 lab. H. 3-5' cor. bl., paler prox.
- 23405 Acalypha T. 10-18'
- 23406 Cassia? T. 10-20'
- 23407 Struthanthus T. 10-18' cor. y.g. fr. deep brown or deep pur.
- 23408 fab. Polygale S. 3-6' all pet. w. to pale bl.
- 23409 Ipomoea H. U. cor. w. prox. deep bl. dist.
- 23410 apoc. H. U. young cor. p.
- 23411 Saucheria H. 12-18' bracts r.; cor. sty. & fil. y.
- 23412 Inga T. 10-18' cor. & fil. w.; ant. brown
- 23413 fab. S. 8-12' stan. & unip. w. bl. - triq. keel bl.
- 23414 euph. H. 2-4' brs. elong. pet. w.

up. gn. ant. w. in; pet. w.; corolla pur. prox. w. dist.  
 y. u. stam. g., sty. & stig. gnish. w.



- 23115 *Cannellina*  
 23116 *Commul.*  
 23117 *Phyllanthus*  
 23118 *Aristolochia*  
 23119 *Transpenta*  
 23120 *gab.*  
 23121 *Piper*  
 23122 ?  
 23123 *cucur.*  
 23124 *Solanum*  
 23125 *Agave*  
 23126 *Struthanthus*  
 23127 *Tab. Heracium*  
 23128 *myrt. Pardinum*  
 23129 *Paspalum*  
 23130 *Cordia*  
 23131 *Polygla*  
 23132 *Passiflora*  
 23133 ?  
 23134 *Passiflora minifolia*  
 23135 *Pteris*  
 23136 *euph.*  
 23137 *Piper*  
 23138 *Panicum*  
 23139 *Lygodium*  
 23140 *Jatropha*  
 23141 *Acalypha*  
 23142 *Phenax*  
 23143 *Cissampelos*  
 23144 *comp.*  
 23145 *Adiantum*  
 23146 *Oreocina*  
 23147 *myrb.*  
 23148 *Adiantum*  
 23149 *acanth.*

- H 2-4' pet pale bl.  
 H 3-4' pet pale. bl.  
 T 12-20' pet. w.; br. gr.  
 H U cor. pur, sharply  
 H 3-6' veined with gr.  
 H 3-6' pet. deep r.; bla. y.  
 H U pet. y.; ting. with  
 T 10-12' pur. dist.  
 T 10-15' pet. + ant. green.;  
 glands y.  
 H U br. gr. paler mottled.  
 H 2-4' cor. w.; ant. y.  
 H U wo. up to 6' h. spikes  
 up to 15' high.  
 Par S. ~~10-15'~~ cor. deep bl. paler prox;  
 pap. w.  
 H 15-20' pet. + fr. w.  
 T 15-20' pet. + fr. w.  
 H 15-20' fr. becoming r.  
 S 10-15' pet. w. becoming bl.  
 H U fr. r.  
 S 8-12' fr. r.  
 H U br. gr.  
 H 3-5'  
 H 2-4'  
 S 8-12'  
 H 15-20' pet. + fr. w.  
 H 15-20' pet. + fr. w.  
 S 5-8' cor. w, green prox.  
 T 12-20'  
 T 12-20'  
 H U  
 H 3-4' sep. + cor. tube green,  
 lobes y.  
 H  
 H  
 H U  
 H 3-5' wo. up to 12' with growing  
 H direct from roots, 1-2'  
 H 3-5'  
 H 2-4' T woody cor. deep. bl.,  
 below. paler prox.

May 29 Thicket

La Merced

pet. cream w. faintly green in center;  
 fil. g. prox, w. dist.; ant. y.; ovary green; sty. + stig. w. Pl 5-12-9

wooded valley

bracts o.r.;  
 cor. y.



- 23150 ?  
 23151 *Panicum*  
 23152 ?  
 23153 comp.  
 23154 fab. *acanth*  
 23155 fab.  
 23156 *Erythrina*  
 23157 *acanth*  
 23158 *Eupatorium*  
 23159 fab.  
 23160 ?  
 23161 *Piper*  
 23162 ? *acanth*  
 23163 ? *Ficus*  
 23164 ? *Moss*  
 23165 comp.  
 23166 comp.  
 23167 *Galantha*  
 23168 *Piper*  
 23169 *Miconia*  
 23170 *Glossa Vernonia* ?  
 23171 *Psychotria*  
 23172 *malv.*  
 23173 *Pteris*  
 23174 *Passiflora*  
 23175 *Myriocarpa*  
 23176 *Lycopodium*  
 23177 *acanth*,  
 23178 *Adiantum*  
 23179 *mus*  
 23180 *mus*  
 23181 *Tectaria martinicensis*  
 23182 ?  
 23183 ?  
 23184 *slan Dupa*

- S. 4-8' pet + sta. w.  
 H. with bran.  
 H. clay to 6'  
 H. 2-5'  
 S. 4-7' rays br. y.; cor. tube  
 + lobes y.  
 S. 3-8' with star + undig. gran. w.  
 S. elong. bran. seed w. marked with pur. within prox.  
 all pet. bl., paler prox.  
 H. U. all pet. bright o.;  
 W. U. sta. tube. br. ant. y.  
 E. S. cal. + pet. br. y.;  
 S. 6-10' ant. brown.  
 S. 4-8' cor. tube + pap. gran. w.;  
 lobes w.  
 all pet. cream w.  
 H. U.  
 S. 10-15'  
 S. 4-8' cor. w. lower lip faintly  
 marked with pur.  
 T. 10-20' fr. y. to o., with darker  
 spots  
 T. 15-18' ant. w.  
 S. 6-10' rays br. y. cor. tube pale  
 y. lobes deeper.  
 S. 3-5'  
 S. 10-18' with  
 S. elong. bran.  
 S. 8-12'  
 T. 15-20' fr. r. becoming pur.  
 pet. w.  
 S. 8-15' with  
 S. elong. bran. cor. tube br. y., lobes  
 p. ting. sta. + sty. y.  
 S. 8-15' pet. + sta. br. y.  
 S. 3-6'  
 H.  
 H. U.  
 T. 10-20'  
 H.  
 S. 10-12' br. y. g. cor. p.  
 H.  
 on soil  
 on soil  
 H.  
 S. 8-15' undig. w.  
 S. 8-15' with fr. becoming r.  
 S. elong. bran.  
 S. 8-12' with  
 S. elong. bran.

May 29 wooded valley

La Merced



- 23485 Inga  
 23486 ~~Alphandofus~~  
 23487 Acautha  
 23488 Piper  
 23489 Cyperus  
 23490 ~~Cardospermum~~  
 23491 comp.  
 23492 Carcole.  
 23493 Jussiaea  
 23494 comp.  
 23495 Pityrogramma  
 23496 Trisumia  
 23497 Tonnelfortia  
 23498 Gohania  
 23499 Inga  
 23500 ? ~~Miconia?~~  
 23501 ? ~~Cissampelos~~  
 23502 Bouana  
 23503 ? ~~explanat?~~  
 23504 Lab.  
 23505 Miconia  
 23506 Treacanthia  
 23507 ? ~~Struthanthus~~  
 23508 Crotalaria  
 23509 Lycopodium  
 23510 sapot.  
 23511 Halleuana  
 23512 Inga  
 23513 Cyperus  
 23514 Anaphalidium  
 23515 Tonnelfortia  
 23516 Bradburya  
 23517 Passiflora  
 23518 Bixa "bixa"  
 23519 glaucous

- T 20-30' cor. & sta. w.  
 H.  
 H. cor. pale bl.  
 T 10-15'  
 H. in sandy soil  
 H. of stream bed  
 W. U. ends gravel.  
 H. cor. w.  
 H. cor. pale bl.  
 H. U. 1-3' pet. ant. & atq. g.  
 H. 4-8' gap. w.  
 H. in sandy soil  
 H. of stream bed  
 H. with elong. leav. fr. w.  
 S. 4-12'  
 S. 8-12' with elong. leav.  
 T 12-20' cor. & sta. w.  
 H. U.  
 S. with elong. leav. fr. g. with brown spots  
 S. 8-15' fr. deep pur.  
 H. U.  
 S. 10-15'  
 W. U.  
 T 10-15'  
 T 12-20' cor. ant. g. dist. p. prox.; in. g. m. h.  
 S. 8-15' with elong. leav. fr. g. m. h.; dist. g. & w.; sty. l. g.  
 H. 2-5' woody pet. y.  
 H. at base  
 T 15-25'  
 H.  
 H. per. seg. w.  
 T 15-30' cor. g. m. h.; fil. w.  
 H. in sandy soil  
 H. of stream bed  
 H.  
 S. 8-15' cor. cream w.  
 H. U. star. w. keel & unguis  
 H. U. light pur. pale prox.  
 H. U. ends gravel. w.  
 S. 8-12' pet. p.; fil. g. prox. p. dist.  
 H. U. cor. br. r. paler in.  
 ant. w.

May 29 wooded valley

La Merced



- 23520 *Miconia*  
 23521 *acanth.*  
 23522 *grass.*  
 23523 *acanth.?*  
 23524 *Piper*  
 23525 ?  
 23526 *Miconia*  
 23527 *comp.?*  
 23528 *Phenax*  
 23529 *fab.*  
 23530 ?  
 23531 *fab.*  
 23532 *Calliandra*  
 23533 *Acalypha*  
 23534 *Ficus?*  
 23535 *Tectaria*  
 23536 *mus*  
 23537 "  
 23538 *lichen*  
 23539 *mus*  
 23540 *Lycopodium*  
 23541 *Lomax?* rub.  
 23542 *Lycopodium*  
 23543 *Sellaginella*  
 23544 *gesner.*  
 23545 *fungus*  
 23546 *Eupatorium*  
 23547 *Tournefortia*  
 23548 *cucurb.*  
 23549 *fab.*  
 23550 ?  
 23551 *fab.*  
 23552 *Lycopodium*  
 23553 *Asplenium*  
 23554 ?

- T. 8-15' fr. bl.  
 cor. l.r.  
 H  
 H  
 cor. w. to faint bl.  
 S. 8-15'  
 S. 8-12' bil. p. paler prox.  
 T. 12-18' fr. pur.  
 S. 4-8'  
 S. 10-15' pet. + sta. w.  
 H. U.  
 T. 18-25' pet. w.; disc. y.  
 W. U.  
 S. 4-10'  
 T. 15-25'  
 T. 40-60' fr. gr.  
 H.  
 on fallen tree  
 " " "  
 on tree  
 on fallen tree  
 H.  
 S. 8-15' with cor. tube p., lobes  
 S. long hairs. becoming w. fr. pur. to r.  
 H.  
 H. prostrata  
 cor. o.r. with darker  
 spots in.  
 on tree trunk  
 H. 2-4' cor. tube greenish w.;  
 lobes & sty. w.  
 S. 4-6' cor. greenish w.; fr. w.  
 cor. greenish w.;  
 ant. y.  
 H. U. all pet. greenish w.  
 H. U.  
 S. 8-15'  
 S. with long hairs.  
 S. 8-12'  
 H.  
 H.  
 H. 3-5' fr. h.o.  
 H.

May 29 wooded valley

La Merced



- 23555 *Sida* male?  
 23556 *Epiphyllum*  
 23557 *Lab?* *Salvia*  
 23558 *Xiphidium*  
 23559 *Baulinia*  
 23560 *lab?*  
 23561 *Solanum*  
 23562 *Gossypium*  
 23563 *Dioclea*  
 23564 male.  
 23565 *Canna*  
 23566 *Adiantum*  
 23567 *Jibouckia*  
 23568 *Rhus*  
 23569 *Burmeistera*  
 23570 *Eupatorium*  
 23571 *Solanum*  
 23572 *Jibouckia*  
 23573 *Eupatorium*  
 23574 *Naucleria*  
 23575 *Cissia trifoliata*  
 23576 *Tournefortia setacea*  
 23577 *Ageratum*  
 23578 *Euphorbia*  
 23579 *Couep*  
 23580 *Equisetum giganteum*  
 23581 *Pavonia*  
 23582 *Pavonia*  
 23583 *Phyllanthus*  
 23584 *Tragia*  
 23585 *Scutellaria purpurascens*  
 23586 *Boehmeria*  
 23587 *Acalypha alopocarpoides*  
 23588 *Orchid*  
 23589 *Orchid*

- S 3-6' pet. y.  
 E.H.  
 H cor. bl., pale prox.  
 H 2-4' fr. becoming black.  
 S 8-15' with elong. br.  
 H I woody below.  
 H 2-3.5' 3-6' sept. grish. w.; ant. y.  
 H 10-12' pet. y. becoming r.  
 S 10-15' pet. rich p.  
 S 4-8' pet. & androc. w.; ant. y. w. w.;  
 H 3-10' ~~ant. y. w. w.~~ sep. r.; tang. with y. prox.  
 H woody bel.  
 H 6-8' Pet. w.; anther. y  
 S 5-8' elong. br. Scales brown  
 S elong. br. Cor. or. reddish prox.  
 H erect Cor tube grish w lobes wh, sty. pi  
 H 1.5-3' 3-5' Cor. w., anther. y  
 H lax, 1-3' high Pet. rich pi., fil. light pi  
 H Cor tube grish w lobes w, sty light pi  
 S 3-5' Cor. or. r. becoming r.  
 HV fr. gr.  
 S 6-7' elong. Cor. cream-w  
 H 1-2' Cor tube grish w lobes & sty pi, base w  
 H 1-2' lax br. fr. gr.  
 H 1-2' flowers gr.; anther. br.  
 H coarse 3-12'  
 HV Pet. pale y  
 H 1-1.5' woody bel. Pet. light pi. to w  
 H slender Pet. w  
 H Pet. grish-w  
 H me. 1-1.5' Cor. deep pi.  
 S 5-8' Infl. grish  
 H Infl. gr.  
 H Per. gran. gr.  
 H 5 sep. light pi.  
 H sep. light pi. deeper pi.  
 H cor. pi. or fls. deep pi. (2 forms)

May 29 wooded valley

La Merced

thicket

30 shaded bank  
thickets

Rio Pinedo, near La Merced

Swamp  
thickets

On rock in woods



- 23590 Orchid H Per. y-g  
 23591 Orchid H Per. y-g  
 23592 Gynemogramma H  
 23593 Pilea hyalina H  
 23594 Polypodium H 2-2.5' Rays of florets y  
 23595 Spermacoce <sup>this no. 23596</sup> H with deep purple  
 23596 Crap. H Cor. light bl. to wh.  
 23597 Weinmannia "contravenosa" T 20-25' Buds only  
 23598 Cucurbit H V Cor. y  
 23599 Mirabilis "buenas tardes" H Powdery substance in buds  
 23600 Chamaecypar H Pr. gr.  
 23601 Crotalaria "japimcho" H applied with salt to  
 23602 Elvira? H abscesses or swellings  
 23603 Elytharia H Cor. light pi.  
 23604 Anthurium H ter Sp. of purple  
 23605 Selaginella H ter  
 23606 Moss On bank  
 23607 Adiantum H  
 23608 Polypodium H rep. on rocks  
 23609 Moss On rocks  
 23610 Dioscorea H V Pr. green, pendulous  
 23611 Mimosa T 12-20' Pr. only  
 23612 Stenochlaena H ter  
 23613 Peperomia H on rocks  
 23614 Peperomia H trailing  
 23615 Marchantia H on bank  
 23616 Peperomia H on tree trunk  
 23617 Piper "anis" or "anisillo" S 2-3' S. p. or.  
 23618 Miconia S on low T  
 23619 Peperomia H on trunk  
 23620 Peperomia H ter  
 23621 Diplazium "integrifolium" H ter  
 23622 ? S with elong. Pr. or. or wh. Pr. purple - black  
 23623 Pteris H  
 23624 Dryopteris H

May 30 On rock in woods Rio Prieto, near La Merced

woods

entering aspect. Clearing

lvs. put in alcohol or aquachiente and drunk  
for snake bite

used as soap

for removing warts

lvs. chewed for toothache  
wooded valley

woods

dense forest



- 23625 *Palu* Stem. infl. y  
 23626 *Araceae* H climbing up trees Fr. or. r.  
 23627 *Hep.* On branches  
 23628 *Moss* On bank  
 23629 *Moss* " "  
 23630 *Commelinaceae* H 1-2' Per. w. or. black  
 23631 *Ruellia* H Cr. fls, pale purp  
 23632 *Dryopteris* H  
 23633 *Dianthus* H 2-2.5' Cor. r.  
 23634 *Phytolacca "jaborcillo"* H coarse 2 Pedicels pi; ripe fr. gr. deep purp  
 23635 *Orchid* EH Per. deep pi, pale purp  
 23636 *Orchid* EH Ker. seg. greenish-wh. pubescent  
 23637 *Vanilla* HV No fls  
 23638 *Hep.* On tree  
 23639 *Aroid* H climbing on tree No infl.  
 23640 *Cyathea* TF Trunk 6' Stipe + 2' or. 7'  
 23641 *Lasiacis* HV  
 23642 *Zingiber "ginebre"* H 2' No fls.  
 23643 *Lycopodium* S 8-12' Pet. salmon - y  
 23644 *Annona "anon"* T 20-30'  
 23645 *Cracca toxicaria "barbasco"* S 4-7' St. gr. out; pedicel w in W. pi., bl. base; leaf gr. w  
 23646 *Eschatoglossa* H on trees  
 23647 *Polypodium* H on trees  
 23648 *Olacaceae* T 20-25' Fr. deep gr.  
 23649 *Bambusa* HV No infl.  
 23650 *Orchid* EH Fr. gr.  
 23651 *Orchid* EH Per. gr.  
 23652 *Orchid* EH 3 seg. salmon pi, striped deep red; 2 seg. + lip slightly paler, dotted with redish purp  
 23653 *Peperomia* H ref. on trees  
 23654 *Orchid* EH Pls. wetted  
 23655 *Polypodium lanceolatum* H ref. on trees  
 23656 *Psychotria* S 17 small T Fr. or = r.  
 23657 *Marantac.* H Infl. at base; Per. bright r pedicels ± 1.5 seed blue  
 23658 *Psychotria* S 6-9' Fr. deep pi; fr. deep blue  
 23659 ? "alcantora" T 60-80' Bark only

May 30 Dense woods Rio Piedra, near La Merced

infl. + ~~used~~ used as soap; bark purchased at ~~sent~~ <sup>Huancayo</sup> ~~stained~~

Edge of woods  
(cut.?) Clearing

dense woods



- 23660 *Oryopteris*  
 23661 *Nep.*  
 23662 *Boehmeria*  
 23663 *Heliconia*  
 23664 ?  
 23665 *Paffia*  
 23666 *Cordia*  
 23667 *Metastelma*  
 23668 *Begonia*  
 23669 *Calathea*  
 23670 *Rondeletia*  
 23671 *Richardia*  
 23672 *Cassia* Sapot?  
 23673 *Cestrum*  
 23674 *Peperomia*  
 23675 *Blechnum*  
 23676 *Rub?* Acanth.?  
 23677 *Sapotaceae?* *Hypocistis?*  
 23678 *Polygala paniculata*  
 23679 *Begonia*  
 23680 *Oryopteris*  
 23681 *cupl?*  
 23682 *asclap.*  
 23683 *Concif.*  
 23684 *Heteropteris*  
 23685 *Cyperus*  
 23686 *Pteris*  
 23687 *Miconia*  
 23688 *caup.*  
 23689 *Jussiaea*  
 23690 *caup.*  
 23691 *Piper*  
 23692 *fab.*  
 23693 *Pteris*  
 23694 ?

- H  
 On *Savonds* of 23631  
 S slender branches  
 H stem  $\pm 1'$  Bracts bright r  
 Per leaf gr., wh. apex  
 H *Plumbago* on trunk  
 with elong. Infl. white  
 H br. Infl. greenish-wh.  
 S 6-10', elong. br. Fr. light gr  
 Cord. deep gr. out  
 pale gr. in; Corona wh.  
 H V Pet. wh.  
 H slender Per. tinged with pinkish  
 H T 12-20' Pr. only  
 H usually  
 H scandent Cor. wh.  
 T 10-15' Lvs borne at summit  
 (resembling *Ailanthus*)  
 T  $\pm 12'$  Infl. at summit  
 Trunk simple,  $\pm 2'$  diam. Buds green wh  
 H suc. Lvs. reddish. Fr. ben.  
 sterile  
 H  
 S on herb?  
 S  $\pm 2.5'$  Cor. bright r.  
 S elong. br. Buds gr.  
 H Pet. pinkish blue  
 H suc. Pet. w, var. y  
 H  
 H U. cor. cream w.  
 H in sandy soil pet. w.; ant. y.  
 H of stream bed.  
 H 2-4'  
 H sandy soil of  
 H str. bed.  
 H 3-5'  
 H 1-3' woody below fr. deep pur.  
 H 2-4'  
 H 1-3' corolla greenish;  
 lobes pale bl.  
 S 3-5' pet. br. y.  
 S 5-10'  
 S 6-10'  
 H V pet. cream w; p. ting.  
 H stipules 5-7' fr. (incl. stip.) 8-12'  
 H drooping from a crotch (2)  
 W.U. pet. cream w.

May 30 Dense forest Rio Pinedo, near La Merced

woods

Near La Merced

shaded bank  
 the woods

shaded bank

May 31

wooded valley

La Merced



- 23695 *Tournefortia*  
 23696 cucurb.  
 23697 alga  
 23698 *Piper*  
 23699 *Alchornea*  
 23700 comp.  
 23701 comp.  
 23702 ?  
 23703 ?  
 23704 *Habenaria*  
 23705 *Piper*  
 23706 ?  
 23707 *Nyctrolopes*  
 23708 quib.  
 23709 quib.  
 23710 rub. *Besleria*  
 23711 ? *Ficus*  
 23712 unt.  
 23713 *Begonia*  
 23714 ?  
 23715 moss  
 23716 moss  
 23717 *Lycopodium*  
 23718 ?  
 23719 *Asplenium*  
 23720 *Solanum*  
 23721 ?  
 23722 *Plagiolobos*  
 23723 *Sisyrinchia*  
 23724 *Peperomia*  
 23725 *Peperomia*  
 23726 *Piper*  
 23727 Rub.  
 23728 *Lycopodium*  
 23729 *Solanum*

- S. 4-8' cor. cream w.  
 H. U. cor. yish. y.  
 in stagnant water  
 S. 3-5' type 2', fr. 4'  
 H. 3-5' cor. tube pale y, lobes  
 H. 3-6' cor. tube pink, lobes y  
 or S. with fr. becoming r.  
 U. V. elong. bran.  
 H.  
 H. per. seg. w.  
 S. 8-12'  
 H. 1-3' cor. & sty. w.  
 H.  
 H. 6-10' spikes bracts r. pro. g. d. w.  
 H. terminal ovary w. sep. 5'  
 H. infl. central, erect, sep. 4-6'  
 H. 6-10' stem + fr. o.  
 H. wo. succ. fr. gr, striped with  
 30-40' pur.  
 S. 8-12'  
 H. succ. pet. w.  
 H. U. cor. br. o. r.  
 on decayed log  
 H.  
 H. sp. appressed  
 H. 3-6' fl. ends pink. y;  
 H. 3-5' fr. br. o.  
 H.  
 H. dependent from fr. black  
 U. V. trees spikes 1-3' l.  
 E. H. succ.  
 H. terr. succ.  
 S. 3-5'  
 S. 6-10' fr. w.  
 H.  
 H. 4-8' cor. pale bl.; unky

May 21 wooded valley

La Merced

fl. tube cream; 3 outer per. seg. dull pur.  
 3 inner seg. pink. w.  
 cor. o.; sty. 4-6' yish.



- 23730 *Piperomia*  
 23731 *Piper*  
 23732 *Panicum*  
 23733 *Commelina*  
 23734 *Anthurium*  
 23735 *Eupatorium*  
 23736 *Piper*  
 23737 *Piper*  
 23738 *Piper*  
 23739 orchid  
 23740 prot.  
 23741 malpigh.  
 23742 *Acalypha*  
 23743 *Acalypha*  
 23744 *Acalypha*  
 23745 int?  
 23746 moss  
 23747 moss  
 23748 orchid  
 23749 orchid  
 23750 *Acalypha*?  
 23751 anclep.  
 23752 ?  
 23753 *Solanum*  
 23754 *Eupatorium*  
 23755 *Lycopersicon* *cernuum*  
 23756 bran.  
 23757 malpigh.  
 23758 fab.  
 23759 acanth.  
 23760 *Pleclum*  
 23761 *Begonia*  
 23762 *Centropogon*  
 23763 acanth. *Centropogon*  
 23764 *Solanum*

- H terr. succ.  
 S. 6-8'  
 H. bran. elong.  
 H. 2-4' pet. w.  
 H. terr. spathe y.  
 S. 5-8' young cor. greenish w.  
 S. 8-10'  
 T. 20-30'  
 S. 8-12'  
 S. ep. sep. y. r. spotted.  
 H. 8-12' column & fringe w. cor. & fil. y. ant. brown. r. spotted chat.  
 S. 8-12' yr. gr.  
 S. 8-12'  
 S. 5-10' sty. r.  
 S. 7-12' sty. r.  
 S. 3-8'  
 on smooth stone  
 on decayed log. all per. sp. v. p. ting.  
 E. H. column gr. all per. sep. y. lvs. r. spotted.  
 E. H. all per. sep. y.  
 S. 8-10'  
 H. U. cor. cream w.  
 S. with elong.  
 S. bran. 8-15'  
 S. 3-6' fr. black.  
 T. slender sep. & cor. tube greenish w. lobes & sty. pale bl.  
 H. 3-8' flower pet. cor. l. r.  
 H. filis up to 6 ft.  
 S. 8-15' fr. p.  
 S. 4-8' all pet. l. r.  
 H. 2-4' 7 woody cor. l. r.  
 H. lvs.  
 H. pet. p. & w.; ant. y.  
 H. cor. tube o. r.; lobes y.  
 W. U. cor. l. r.  
 H.  
 S. 4-6'

May 11 wooded valley

La Merced.

thickets



- 23765 Solanum  
 23766 fol.  
 23767 Solanum  
 23768 ? Phyllanthus  
 23769 comp.  
 23770 moss  
 23771 Polytichum  
 23772 sax?  
 23773 clus.  
 23774 Bananardestia  
 23775 ?  
 23776 ?  
 23777 fungus  
 23778 ?  
 23779 fol.  
 23780 sedge  
 23781 Polypodium  
 23782 moss  
 23783 solan. ?  
 23784 Piper  
 23785 Psychotria  
 23786 acanth.  
 23787 Jussiaea  
 23788 grass.  
 23789 Tibouchina  
 23790 acaulant.  
 23791 yucca?  
 23792 Asplenium  
 23793 Mikania  
 23794 Castilleja  
 23795 Paspalum  
 23796 Polypodium plurisetum  
 23797 Adiantum  
 23798 rupestr.  
 23799 ?

- S 6-10' fr. o.  
 H U. del. pet. w.  
 S 4-8' pet. w.; ant. y.  
 H fr. gr.  
 W. U. sap. br. y.; cor. tube  
 pale y. lobes deeper.  
 on moist soil  
 T 15-20' pet. & fil. w.  
 T 12-18' buds gnats.  
 S 5-9' cor. r. p.  
 S 10-18' p. deep pur.  
 T 15-25' buds gnats y.  
 on tree trunk bright o.  
 S 8-12'  
 H U. pet. w.  
 H  
 H terr.  
 forming mats on rock  
 T 20-25' cor. g. ting. with deep r.  
 S 8-12' dict. fil. g.; ant. brown  
 S 8-15' cor. y., p. prox.  
 H 3-4' cor. p. to o.  
 H 2-4' wordy pet. y.  
 H below  
 H 3-5' sty. gnats. w.  
 S 2-4' pet. a.; ant. y.  
 W. U.  
 S 8-12' cor. w. out, r. in; fil. w.  
 ant. y.  
 H  
 V. cor. tube gnats w.  
 lobes & sty. pale st.  
 br. tipped with v.  
 H 2-4'  
 H  
 H  
 T 3-3'  
 S 2-3' pet. w.  
 W. U. cor. & fil. w.;  
 ant. pur.

May 31 thickets

La Merced

wooded valley

sty. & sty. g.  
thickets

wooded valley

thickets



- 23800 Lab.  
 23801 *Pityrogramma*  
 23802 *Sellaginella*  
 23803 ridge  
 23804 *Licranopterus*  
 23805 *Cassia*  
 23806 *Solanum*  
 23807 grass  
 23808  
 23809 ? *Lypt*  
 23810 *Eupatorium*  
 23811 *Solanum*? ml.  
 23812 *Piper*  
 23813 *Pal.*  
 23814 *Psychotria*  
 23815  
 23816 ? *Mim.*  
 23817 *Sporobolus*  
 23818 ? *Mim.* lvs  
 23819 *Agave*  
 23820 ? *mo.*  
 23821 *Moss*  
 23822 *Menisperm*  
 23823 *Peperomia*  
 23824 *Dalechampia*  
 23825 *Linanthus tenuis*  
 23826 *Polypodium*  
 23827 *Rub.*  
 23828 *Isocladus*  
 23829 *Rub.*

- 23830  
 23831  
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 23833  
 23834

From here on see next  
 book, p. 2

- H 5-5' cor. tube pale pur., lobes  
 fil. + sty. pale pur.,  
 fulvous-lance br. y.  
 H  
 H  
 H track w.  
 H tangled, 3-4'  
 H 4-7' pet. y.  
 S 6-8' cor. pale bl.;  
 ant. y.  
 H 2-4'  
 T 20-30'  
 S 10-15' pet. w.  
 H S 4-6' cor. tube gnath; lobes  
 & sty. bl.  
 S 6-10' bracts br. p.; cor. tube  
 pur., lobes w. within.  
 S 6-8'  
 H 0  
 S 8-15' cor. o. fr. deep r.  
 to pur.  
 S 8-12' buds yish-g.  
 T 15-20'  
 H 0 cor. w.  
 H 2-4' cor. rch p.  
 H no. 1.5-3' cor. green w.  
 fl. spikes 1-2.5' lvs. mottled  
 T 20-30' pet. w. ant. y.  
 as moist soil.  
 S 8-12' sta. y.  
 H rep. Spikes deep pi.  
 H anc. Bracts light gr.  
 H V Cor. light gr., wh. prox.  
 H ± 2' flowers y  
 S slender dr. gr.  
 S 4-5'  
 E H Fr. gr.  
 S slender dr. light bl  
 S 2-4'

May 31 thickets

pale pur. with a darker edge & a dark spot in center. in  
 ant. y. sty. deeper dist.

La Merced

ant. pur.

gr. 7 w.

growing near house

June 1 woods

Guimiri Bridge



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